# 日本大学大学院

NIHON University Graduate Schools GUIDE BOOK 2017

法学研究科 Graduate School of Law 新聞学研究科 Graduate School of Journalism and Media 文学研究科 Graduate School of Literature and Social Sciences 総合基礎科学研究科 Graduate School of Integrated Basic Sciences 経済学研究科 **Graduate School of Economics** 商学研究科 Graduate School of Business Administration 芸術学研究科 Graduate School of Art 国際関係研究科 Graduate School of International Relations 理工学研究科 Graduate School of Science and Technology 生産工学研究科 Graduate School of Industrial Technology 工学研究科 Graduate School of Engineering 医学研究科 Graduate School of Medicine 歯学研究科 Graduate School of Dentistry 松戸歯学研究科 Graduate School of Dentistry at Matsudo 生物資源科学研究科 Graduate School of Bioresource Sciences 獣医学研究科 Graduate School of Veterinary Medicine 薬学研究科 Graduate School of Pharmacy 総合社会情報研究科(通信制) Graduate School of Social and Cultural Studies 法務研究科(法科大学院) Law School 知的財産研究科 **Graduate School of Intellectual Property** 



## Message



## 日本大学学長 | President of Nihon University 大塚 吉兵衛 Kichibee Otsuka

#### ●プロフィール | Profile

1944年栃木県生まれ。1969年日本大学歯学部卒業。1973年日本大学大学院歯学研究科博士課程修了。1993年 歯学部教授、2004年歯学部長、歯学部総合歯学研究所長、2006年より日本大学副総長、総合科学研究所長など を歴任後、2011年9月第13代総長、短期大学部学長に就任。2013年4月より、職制変更に伴い、学長に職名変更。 歯学博士。専門分野は生化学、細胞生物学、分子生物学など。特に歯周組織の特長や疾患を細胞・分子レベルで解析し、臨床に活かすことを専門とする。2001年硬組織再生生物学会賞受賞、2014年日本歯科医学会会長賞受賞。現在、社団法人日本私立大学連盟常務理事、日本ラグビーフットボール協会評議員、関東大学ラグビーフットボール連盟会長などを務める。

I was born in Tochigi prefecture in 1944. I graduated from the School of Dentistry, Nihon University in 1969 and completed my Doctor of Dentistry at the Graduate School of Dentistry, Nihon University in 1973. I became professor of the School of Dentistry in 1993, and Dean of the School of Dentistry and Director of Dental Research Center in 2004. After serving successive terms as Vice President of

Nihon University and Director of University Research Center (URC), I was appointed 13th President of Nihon University and Dean of the Department of Junior College in September 2011. In 2013, I was appointed President of Nihon University (Japanese title of President changed from "So-cho" to "Gaku-cho"). Doctor of Dental Science. My specialized fields are biochemistry, cell biology, and molecular biology. I particularly specialize in analyzing the properties of periodontal tissue and disease in cell and molecular level and apply the knowledge gained for clinical practices. I received the Hard Tissue Regenerative Biology Award from the Society for Hard Tissue Regenerative Biology in 2001 and Japanese Association for Dental Science President's Award in 2014. At present, I am serving on the Board of Executive Directors of the Japan Association of Private Universities and Colleges, Board of Directors of the Japan Rugby Football Union (JRFU), and President of Kanto University Rugby Football Association (KURFA).

日本大学は14の学部と20の大学院研究科を設けている 日本で最大規模を誇る私立総合大学です。そのスケール メリットを生かし、大学院は各研究分野の深化と多様な研 究領域の連携によって、より高度で新しい総合的・学際的 な研究を展開し、多岐にわたる最先端の研究成果を公開し て社会に還元していくことをめざしています。

日本大学は「自主創造」を教育理念として掲げ、大学院学生には積極的に研究課題に取り組み、自ら新しい道を開くとともに、学びの過程で豊かな人間性を備えた、"自主創造型パーソン(日大人)"として国内外で活躍する人となってさらに成長していっていただきたいと考えています。

2019(平成31)年に創立130周年を迎える本学は、大学の 国際交流の展開を進める一環として、大学院学生の交流を 盛んにするとともに、他の研究機関との共同研究にも取り 組み、研究の高度化・グローバル化を推進していきます。国 内外の学生から注目されるような魅力ある研究機関とし て、その現況を紹介し、多くの研究指導者と国際的な大学 院学生達の相互交流によって、刺激しあいながら共に学ん でいく環境の整備を図っています。また、海外の大学・研究 機関との連携や、国際的な産官学連携事業にも積極的に 取り組み、研究の質の向上に努めています。

大学院での研究活動は、新たな知見を求めようとする自分の夢と、その知見の公表による社会への貢献を実現するための挑戦の場です。自分で限界を決めることなく、夢に向かって果敢に挑戦する気概を持って行動していきましょう。 日本大学大学院は、各自が夢に向かって「自主創造」する場を用意して、みなさんをお待ちしています。 Nihon University is one of the largest private universities in Japan with 14 Colleges and 20 Graduate Schools. The Graduate Schools take full advantage of this large-scale university setting to conduct further advanced and new all-round academic researches through deeper studies in each research field and collaboration with other research fields. The Graduate Schools give back to society through a wide range of cutting-edge research results.

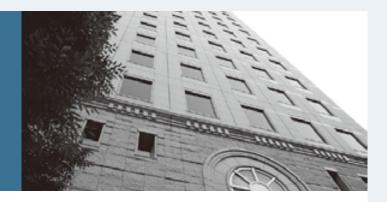
Nihon University propagates the educational philosophy of nurturing a spirit of "independence and creativity." The University hopes that its graduate students develop into individuals who can actively engage in research subjects, open up new ways on their own, and be active in Japan and overseas as an "independent and creative person (meaning, Nihon University graduates)" with abundant human qualities picked up through the course of studies.

Nihon University, which celebrates the 130th anniversary of its founding in 2019, plans to increase graduate student exchanges as part of a promotion for developing international exchanges between universities as well as participate in joint researches with other research institutes in order for higher-level and global researches to be conducted. As a well-regarded research institute that attracts students from all over Japan and overseas, the university intends to introduce its current possibilities more effectively. The university is working on upgrading its research environment as a place where many leading researchers and international graduate students can learn together through stimulated exchanges of ideas. The university also is working on improving the quality of researches through tie-ups with overseas universities and research institutes and actively taking a part in international collaboration projects between industry, academia, and government.

The Graduate School research activities are essentially conducted for self-pursuit of new knowledge and making social contributions to the public through your newly acquired knowledge. We ask all graduate students to take action with a bold spirit and challenge your dreams without accepting limits to what you can achieve. The Graduate Schools of Nihon University welcome you with an environment prepared for you to fully explore the spirit of "independence and creativity" directed toward your goals in life.

## 日本大学の概要

General Information about Nihon University



## あらゆる学問領域を網羅する国内最大級の総合大学

Japan's largest-class university for offering an extensive range of academic disciplines

日本大学は14学部85学科,大学院20研究科,短期大学部,通信教育部などを擁する,日本最大級の総合大学です(現在,危機管理学部,スポーツ科学部の2学部を設置構想中)。大日本帝国憲法が公布された1889(明治22)年,時の司法大臣であった山田顕義は,日本の法律を教授する学校が必要であると考え,本学の前身である「日本法律学校」を創立しました。以来,約110万人もの卒業生を輩出し,在籍学生総数も約8万人を数えます。2019(平成31)年に創立130周年を迎える本学では,大学院においても優れた教員,充実した施設・設備など,抜群の教育・研究環境を整えています。本学ならではのスケールメリットを最大限に活かし,人文・社会・自然科学のあらゆる学問領域をカバーしています。

Nihon University is the largest-class university in Japan with 14 Colleges and 85 Departments for undergraduates, 20 Graduate Schools, and Junior College as well as a Distance Learning Division (induction of two new colleges, namely the College of Risk Management and College of Sports Sciences, are in the planning stage at present). When the Constitution of the Empire of Japan was declared in 1889, Akiyoshi Yamada, the Minister of Justice at that time, strongly believed in the necessity of establishing a school for teaching Japanese law and founded Nihon Law School, which is the forerunner of Nihon University. Since that time, Nihon University has produced more than 1,100,000 graduates and has a total enrollment of approximately 80,000 students. The university, which is going to celebrate the 130th anniversary of its founding in 2019, is developing an unparalleled education and research environment with state-of-the-art facilities and equipment as well as a teaching staff par excellence for Graduate Schools. The University offers an extensive range of academic disciplines including humanities, social studies, and natural science by making the most of the advantages of a large university.

#### ◎創立年

Established

#### ◎教育理念

Philosophy on education

#### ◎学祖

Founder

#### ◎学生数(2014年5月1日現在)

Number of enrolled students

#### ◎卒業生総数(2015年3月25日現在)

Total number of graduates

#### ◎海外協定校数(2015年3月現在)

Number of affiliated schools overseas

#### ◎博士学位授与者数(2015年3月25日現在)

Number of persons with a master's degree

#### ◎設置研究所数

Number of research institutes

#### ◎大学図書館蔵書冊数(2014年3月現在)

Number of books cataloged in the University's library

#### ◎特許権実施等収入(2012年度)

Fiscal 2012 revenues from patent royalties

#### ◎校有地(2014年3月31日現在)

Land owned by Nihon University

#### 1889年

1889

#### 自主創造

Independence of mind and creativity

#### 山田顕義

Akiyoshi Yamada

#### 77,289人

77,289 (as of May 1, 2014)

#### 1,113,842人

1,113,842 (as of March 25, 2015)

#### 31カ国1地域117大学等(26ページ参照)

117 universities, and so forth in 31 countries and 1 region (as of March 2015) (See page 26.)

#### 12.113人

12,113 (as of March 25, 2015)

#### 32研究所(19ページ参照)

32 institutes (See page 19.)

#### 5,751,891冊

5,751,891 books (as of March, 2014)

#### 220.204千円(8ページ参照)

220,204,000 yen (See page 8.)

#### 31,286,835.32m<sup>2</sup>

31,286,835.32m² (as of end of March 2014)

# 研究科インデックス List of Graduate Schools

\_ \\\\ \tau \\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
法学研究科		9
Graduate School of Law		
公法学専攻	<b>(M)</b> (D)	
Public Law		9
私法学専攻	<b>(M) (D)</b>	10
Private Law		10
政治学専攻	$\mathbf{M} \mathbf{M} \mathbf{D}$	40
Political Science		10
立即出れから		41
新聞学研究科		11
Graduate School of Journalism and Media		
新聞学専攻	<b>(M) (D)</b>	11
Journalism and Media		_11
<b>大兴川</b> 克利		10
文学研究科		12
Graduate School of Literature and Social Scientific Scientifi		
哲学専攻	<b>M D</b>	12
Philosophy		12
史学専攻	M	13
History		1.5
日本史専攻	<b>D</b>	10
Japanese History		13
外国史専攻	<b>D</b>	44
Foreign History		14
国文学専攻	M D	-
Japanese Language and Literature		14
中国学専攻	M D	_
Chinese Literature		15
英文学専攻	M D	_
English Language and Literature		15
ドイツ文学専攻	M D	_
German Literature		16
社会学専攻	M D	
Sociology		<b>1</b> 6
教育学専攻	M D	_
Education		<b>—</b> 17
心理学専攻	M D	
Psychology		<b>—</b> 17
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AN A 44-44-31 W		
総合基礎科学研究科		18
Graduate School of Integrated Basic Sciences	S	
地球情報数理科学専攻	M D	
Earth Information Mathematical Sciences	<b></b>	18
相関理化学専攻	M D	
T们民任化于寻找 Correlative Study of Physics and Chemistry	<b></b>	19
,,		
/m \ \/		
経済学研究科		20
Graduate School of Economics		
経済学専攻	<b>M D</b>	
Economics	<b></b>	20
商学研究科		21
Graduate School of Business Administration		
商学専攻	M D	
Commerce		21
経営学専攻	M D	
Designate Administration		22

芸術学研究科 Graduate School of Art		23
文芸学専攻	M	23
Literary Arts 映像芸術専攻	M	
Image Arts 造形芸術専攻	M	24
Fine Arts and Design		24
音楽芸術専攻 Musical Arts	<u> </u>	25
舞台芸術専攻	•	25
Performing Arts 芸術専攻	D	
The Arts		26

国際関係研究専攻	MMD	
国际民际別九寺久 International Relations		2
理工学研究科		2
Graduate School of Science and Technology		
土木工学専攻 Civil Engineering	<b>W D</b>	2
社会交通工学専攻	<b>M D</b>	
Transportation Engineering and Socio-Technology		29
建築学専攻	<b>M D</b>	
Architecture		29
海洋建築工学専攻	<b>M D</b>	0
Oceanic Architecture and Engineering		30
機械工学専攻	<b>(1) (2)</b>	30
Mechanical Engineering		3
精密機械工学専攻	<b>M D</b>	3:
Precision Machinery Engineering		J.
航空宇宙工学専攻	<b>W D</b>	3:
Aerospace Engineering		
電気工学専攻 Electrical Engineering	<b>W D</b>	32
電子工学専攻	<b></b>	
Electronic Engineering	<b>W D</b>	32
物質応用化学専攻	<b>M D</b>	
Materials and Applied Chemistry	<u> </u>	3
物理学専攻	<b>M D</b>	
Physics		3:
数学専攻	<b>M D</b>	
Mathematics		3
地理学専攻	<b>(M) (D)</b>	2
Geography		<del>-</del> 3
不動産科学専攻	<b>M D</b>	3!
Real Estate Science		3
医療・福祉工学専攻	<b>M D</b>	3!
Medical Care-Welfare Engineering		
情報科学専攻	<b>M D</b>	3
Computer Science 量子理工学専攻		

凡例 Explanatory notes

**(1)** 

M 博士前期課程(1年間)
Master Program (one year)

働 博士前期課程または修士課程(2年間) Master Program (two years)

会計学専攻

Accounting

生産工学研究科 Graduate School of Industrial Technology		37
機械工学専攻	<b>M D</b>	37
Mechanical Engineering 電気電子工学専攻	<b>M D</b>	
Electrical and Electronic Engineering		38
土木工学専攻 Civil Engineering	W D	38
<b>建築工学専攻</b> Architecture and Architectural Engineering	<b>M D</b>	39
応用分子化学専攻	<b>M D</b>	20
Applied Molecular Chemistry マネジメント工学専攻	<b>M D</b>	39
Management Engineering		40
数理情報工学専攻 Mathematical Information Engineering	<b>W D</b>	40
工学研究科		41
Graduate School of Engineering		
土木工学専攻 Civil Engineering	M D	41
<b>建築学専攻</b> Architecture	<b>M D</b>	42
機械工学専攻	<b>M D</b>	<b>42</b>
Mechanical Engineering 電気電子工学専攻	<b>M D</b>	
Electrical and Electronic Engineering		<del>-</del> 43
生命応用化学専攻 Chemical Biology and Applied Chemistry	W D	43
情報工学専攻 Computer Engineering	<b>W D</b>	44
Computer Engineering		
医学研究科		ΔF
Graduate School of Medicine		
生理系 Physiology	<u>D</u>	45
病理系	(D)	46
Pathology 社会医学系	(D)	
Social Medicine	<u> </u>	46
内科系 Internal Medicine	(D)	47
外科系 Surgery	<u>D</u>	47
歯学研究科		48
Graduate School of Dentistry		
<mark>歯学専攻</mark> Dentistry	D	48
松戸歯学研究科		49
Graduate School of Dentistry at Matsudo		
歯学専攻	(D)	49

生物資源科学研究科		5
Graduate School of Bioresource Sciences		
生物資源生産科学専攻 Bioresource Production Sciences	M D	Ę
生物資源利用科学専攻	<b>M D</b>	
Bioresource Utilization Sciences		- 5
応用生命科学専攻 Applied Life Sciences	M D	_ [
生物環境科学専攻	<b>M D</b>	
Natural Environment Studies		- !
生物資源経済学専攻 Bioresource Economics	<u> </u>	_ [
Dioresource Economics		
獣医学研究科		6
<b>高いと子切光件</b> Graduate School of Veterinary Medicine		D
獣医学専攻	(D)	
Veterinary Medicine		-
薬学研究科		5
Graduate School of Pharmacy		
薬学専攻	<u> </u>	
Pharmacy		
<b>炒入社人桂却加克科/洛/</b>	Eil \	
総合社会情報研究科(通信制 Graduate School of Social and Cultural Stud		5
(Graduate Program in Distance Learning)	uics	
国際情報専攻	M	
International Political Science and Economics	•	ľ
文化情報専攻 Culture and Communication Studies	<u> </u>	_ [
人間科学専攻	M	
Human Science	0	E
総合社会情報専攻 Social and Cultural Studies	0	_ [
法務研究科(法科大学院)		5
Law School		3
法務専攻	•	Į.
Advanced Legal Studies		
知的財産研究科		5
Graduate School of Intellectual Property	<b>A</b>	
知的財産専攻 Intellectual Property	•	_ [
学長メッセージ Message		
日本大学の概要 General Information about Nihon U	niversity ······	
研究者紹介 NU Researchers ·······		
日本大学産官学連携知財センター(NUBIC)······	•••••	
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キャンパスマップ ACCESS MAP

## 日本大学大学院の研究者



#### 塚本 新 教授 博士(工学)

Tsukamoto Arata Professor / Ph.D.

#### ●プロフィール

日本大学大学院理工学研究科博士課程後期課程 修了。博士(工学)。

オランダ国ナイメーヘン大学(現ラダバウト大学) 客員研究員,日本大学理工学部講師・准教授を経 て,2015年から現職。研究テーマは,超高密度光 アシステッド記録用ナノ微粒子/連続膜交換結合 複合膜に関する研究,自己組織化多孔質SiO2下 地を用いたナノ磁性微粒子形成に関する研究, フェムト秒パルスレーザーによる磁化応答計測・ 制御の研究など。

#### PROFILE

Doctor course graduate of the Graduate School of Science and Technology, Nihon University. Degree of Doctor of Engineering. Current position of professor from 2015 after serving as visiting researcher of Radboud University (former Nijmegen University) in the Netherlands and lecturer/associate professor of the College of Science and Technology, Nihon University. The research themes include: exchange coupled nano-grain/continuous media for thermally assisted ultrahigh density recording; magnetic nano-particles fabricated on SiO2 substrate with self organized nano-meter scale pores; and observation and control of magnetization dynamics by femtosecond pulse laser.





# 超短時間(フェムト秒)の光が切り開く超高密度・超高速情報記録の未来

# Ultrashort pulse (femtosecond) of light opens up the way for ultrahigh density/ultrahigh speed information recording of the future

ませんし

情報化社会の急速な進展に伴い、情報記録の超高密度・超高速化への期待は大きい。大容量ストレージであるHDDの高速・高密度化は、データセンター等における省エネルギー化にもつながり、重要な技術として注目が集まっている。

「電磁石を用いた現在の記録方式では原理的制約から高速化といっても数倍が限度です。そこで注目したのが"光"でした」と塚本教授。

フェムト秒(1000兆分の1秒)オーダーという超短時間で発光するレーザーを磁性体に照射すると、右回り円偏光と左回り円偏光で磁石の向きを制御できることを発見。「全光型磁化反転現象」と呼ばれる現象で、これまで未踏領域であったフェムト秒時間スケールだからこそ起こる現象である。

この現象を応用すると、従来の10万倍の速さで情報を記録できるため、世界的にも注目を集めた発見となった。今後の研究は、この現象が起こる超短時間領域物理のさらなる探索、理論的解

明と、実用化に向けた基盤技術の深耕が課題になるという。 また、情報記録の分野にとどまらず、電子工学の分野で提唱されているスピントロニクスの基盤技術になる可能性も秘めているという。「そうなれば今日のエレクトロニクスを支える半導体デバイスの機能が飛躍的に高まり、新たなデバイスが生まれるかもしれ

これまで塚本教授のグループは、科学技術振興機構(JST)の「さきがけ」研究や本学の「N.研究プロジェクト」、文部科学省の私立大学戦略的研究基盤形成支援事業に採択されるなど、内外から寄せられた研究費を活用して成果を上げてきた。

本学の先端材料科学センターには、SQUID-VSM(超高感度磁気特性測定システム)をはじめ、数多くの最先端設備が導入されている。「大学院で学ぼうとする皆さんには、躊躇せず新しいことにチャレンジしてほしい。そのための環境が日本大学にはそろっています」と塚本教授は語ってくれた。

As the information-oriented society moves forward rapidly, there are high prospects for ultrahigh density and ultrahigh speed information recording. Higher speed and higher density hard disk drives (HDD) that can be used as very large storage devices are drawing attention as a key energy-saving technology for datacenters.

Professor Arata Tsukamoto says that, "The speed of the current recording method, which uses electromagnets, can only be improved by several times at the most due to restrictions in the principle. That was why we focused on light."

Tsukamoto discovered that the direction of a magnet can be controlled by right-handed circularly polarized light and left-handed circularly polarized light when an magnetic materials is irradiated by laser, which emits light in extremely short timescales known as femtoseconds (one quadrillionth of a second). This phenomenon is called "the all-optical magnetization reversal phenomenon," which occurs specifically because of the timescales of a femtosecond that hitherto has been uncharted territory.

When this phenomenon is applied, information can be recorded at a speed 100,000 times faster than the conventional recording method. This discovery has captured the attention of the world. Further in-depth study of the ultrashort time region physics where this phenomenon occurs, theoretical elucidation, and development of fundamental technologies directed toward practical application are the objects of this

research in the future.

This technology has the potential of becoming a fundamental technology of spintronics, which is also being advocated in the electronic engineering field in addition to its application in the information recording field. Tsukamoto says, "If that happens, the functions of semiconductor devices, which support modern day electronics, will improve dramatically and a brand new device may be invented."

Tsukamoto' s research group has been granted support for Project "Sakigake" of Japan Science and Technology Agency (JST) and Project "Nanomaterial-based Photonic and Quantum and Bio Technologies" (so-called "N. Research Project") of Nihon University. The group also has been approved by MEXT (the Ministry of Education Culture, Sports, Science and Technology)-Supported Program for the Strategic Research Foundation at Private Universities. His research group has achieved various research results with the help of research funds collected in Japan and overseas.

A number of cutting-edge equipment such as SQUID-VSM (ultra-high sensitivity magnetic property measurement system) has been installed at the Advanced Materials Science Center of Nihon University, Tsukamoto says, "I want students who learn at our graduate school to take on the challenge of new researches without hesitation. Nihon University has fully equipped environment for any such endeavor."

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## 日本大学大学院の研究者



#### 関 泰一郎 教授 博士(農学)

Seki Taiichiro Professor / Ph.D.

#### ●プロフィール

日本大学大学院農学研究科博士前期課程修了。 博士(農学)。米国ミシガン大学医学部人類遺伝学 科博士研究員,日本大学生物資源科学部講師,准 教授を経て、2011年から現職。

研究テーマは,血液凝固・線溶系因子の発現調節 機構並びに生理機能の解析,機能性栄養成分の 作用メカニズムに関する研究, がんと栄養に関す る基礎研究など。

#### PROFILE

Taiichiro Seki received his master's degree from Nihon University and Ph.D. from the University of Tokyo. He performed post-doctoral research at the Department of Human Genetics, University of Michigan in Ann Arbor. He is currently a professor of Nutrition and Physiology at College of Bioresource Sciences, Nihon University. His research interest is on the regulation of inflammation, coagulation and fibrinolysis at molecular basis, and current funding is focused on the prevention of lifestyle related diseases by phytochemicals.





## 化学を駆使し, 生活習慣病の克服をめざす

# Aiming to overcome lifestyle diseases through extensive application of chemistry

関泰一郎教授が率いる栄養生理化学研究室では,食物由来の成分が人体に及ぼす影響を生活習慣病との関わりの中で捉え,中でも血液の凝固と線溶のメカニズム解明を中心に研究を行っている。栄養学,生理学を基礎として,有機化学,生化学,分子・細胞生物学の最新手法を用いた研究を展開し,最終的には生活習慣病の克服につなげるのが目的だ。

この研究室では、これまでにニンニクの香気成分である「メチルアリルトリスルフィド」に、抗血栓作用があることを発見し、これは食品機能性の先駆けとして注目された。「食べ物には3つの機能があります。まずは栄養を与えてくれる機能、次においしさを感じさせる嗜好・食感機能、最後が体の機能を調節し健康を増進する機能です。この発見は食べ物の生体調節機能に焦点を当てた研究として注目を集めたのです」と関教授は話す。

さらに、研究室ではアリルスルフィドの一種である「ジアリルトリスルフィド」に、強力な抗がん作用があることを突き止めた。その

後も研究が続けられ、同成分にはがん細胞にアポトーシス(細胞の自殺)を誘導する働きがあることも明らかになった。

また、血液の凝固・線溶の研究では、「線溶活性化酵素」が、肝臓で作られていることを解明。さらには、血栓の溶解のスピードを調節する「TAFI(タフィー)」という因子が、肝臓の再生に関与していることを突き止めた。これらの研究は、将来的に再生医療につながるものと期待されている。

現在研究室では、このほかにも肥満予防の研究や糖尿病の予防・改善につながる食品の研究が行われており、シナモンから抽出した物質に高血糖状態を緩和する作用を発見した。

「本学は全ての学問領域を網羅しているといっても過言ではありません。医学部や薬学部との共同研究も行われており、大学院進学を考えるうえでも、総合大学のアドバンテージは大きい」と、関教授は語ってくれた。

The Laboratory of Nutrition and Physiology lead by Professor Taiichiro Seki conducts researches with the focus on identifying mechanisms of the blood coagulation and fibrinolytic system in terms of the relationship between lifestyle diseases and food components that affect human body.

This research laboratory applies the latest techniques in organic chemistry, biochemistry, and molecular and cellular biology to the research based on nutritional science and physiology. The research laboratory aims for the means to eventually overcome lifestyle diseases. So far, this research laboratory discovered that methyl allyl trisulfide, which is a flavor component of garlic, as potent antithrombotic compound.

According to Tailchiro Seki, "Food has three functions. First is the function for providing nutrition. Second are the taste and texture functions that appeal to people's sensory organs including taste buds. Third function is to adjust body functions and promote health. This discovery has drawn interest as a research subject that focuses on the living body adjusting functionalities of food."

Furthermore, scientists at this research laboratory discovered that diallyl trisulfide, which is a kind of allyl sulfide, is capable of powerful anticancer activity. Research that was continued after this discovery revealed that this component has a function for inducing apoptosis (process of programmed cell death) to cancer cells.

Research on blood coagulation and fibrinolytic system conducted at this research laboratory also clarified that the liver produces the fibrinolysis activation enzyme. This research subsequently led to the discovery that a factor called thrombin-activatable fibrinolysis inhibitor (TAFI), which regulates the thrombolysis speed, is involved in the regeneration of the liver. There is high expectation that these researches will open the way to regenerative medicine in the future.

Besides the abovementioned researches, this research laboratory is conducting research on prevention of obesity and food that produces effects for preventing and/or ameliorating diabetes. The research laboratory has discovered the compound ameliorates hyperglycemia in cinnamon.

Taiichiro Seki says: "It is not an overstatement to say that this school embraces all academic fields. We are conducting a number of joint researches with our School of Medicine and School of Pharmacy. There is a high advantage of an all-around university even in terms of continuing one's education to graduation school."

# Nihon University Business, Research and Intellectual Property Center

### 日本大学の研究成果を産業界へ結ぶ 技術移転実績は大学トップクラス

日本大学の研究成果を産業界等へ結びつける役割を担っているのが産官学連携知財セン ター(略称: NUBIC 〈ニュービック〉)。 NUBICは1998年11月に開設, 同年12月に国内第1号の 承認TLO(技術移転機関)となり、その後2003年7月に文部科学省の「大学知的財産本部整備 事業」,2004年6月に経済産業省の「特定分野重点技術移転事業(スーパーTLO)」,2008年7 月に文部科学省の「産学官連携戦略展開事業(2012年4月から「大学等産学官連携自立化促 進プログラム【機能強化支援型】」), さらに2009年6月には文部科学省・経済産業省の「産学官 連携拠点」地域中核産学官連携拠点に選定されるなど、産学連携基盤の強化に努めつつ、イノ ベーション創出に向けた多彩な産学官連携活動を展開している。

具体的には、日本大学における研究成果の特許等権利化や、技術移転のマッチングをはじめ、 各学部との連携による公的資金の獲得,産業界との受託・共同研究の受入れなど,多岐にわた る橋渡し役を担うことで、日本大学の社会貢献に寄与している。

その活動実績は、国内の大学でもトップクラスで、2015年3月現在の特許の出願実績は国内外 合わせて延べ約2,700件。また,企業等への技術移転実績においては,国内の全大学中,件数 が10位,収入が4位(私立大学中ではそれぞれ2位・1位)にランクされている(出典:文部科学 省「平成25年度大学等における産学連携等実施状況調査」より)。

NUBICは今後も日本大学の産学官連携の窓口として,教育・研究の活性化と大学の研究成果 による社会貢献をさらに推進していくことをめざしている。



押込みクリープ試験機 Creep testing machine



ーム型X線CT診断装置 [3DX Multi Image Micro CT] "3DX Multi Image Micro CT" Arm-type

#### Connects research results of Nihon University to the Industry World Nihon University ranks top in technology transfer achievements

Nihon University Business, Research and Intellectual Property Center (NUBIC) acts as a link that connects Nihon University research results to the industrial world. NUBIC started operating from November 1998 and became the first Technology Licensing Office (TLO) to be officially approved in Japan in December of the same year. NUBIC promoted adoption of the "University Intellectual Property Headquarters Development Project" by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in July 2003; "Technology Licensing Organization Focused on a Specific Area" (known as Super TLO) by the Ministry of Economy, Trade and Industry (METI) in June 2004; and MEXT's "Project for strategic development of industry-university-government collaboration (renamed "Industry-Academia-Government Collaboration Self-Reliance Promotion Programs" in April 2012, in support of strengthening functions)" in July 2008. Furthermore, NUBIC has been selected as one of the organizations recognized as "Industry-University-Government Collaboration Bases" of MEXT and METI in June 2009. NUBIC has been working on strengthening the industry-university-government collaboration base while at the same time taking part in wide-ranging industry-university-government collaboration projects for innovation.

For example, NUBIC acts as a mediator between Nihon University and the industry sector and government over a wide spectra, such as authorization of patents of Nihon University research results, partner matching of technology transfer, obtaining public funds through collaboration with departments, and outsourcing and accepting joint research with industrial sector. This work of NUBIC offers benefits toward Nihon University's social contribution.

The track record of NUBIC activities ranks top among Japanese universities, and the total number of patent applications submitted in Japan and overseas is about 2,700, as of March 2015. Regarding its track record in technology transfers to corporations, Nihon University ranks tenth in the number of cases of technology transfer to corporations and fourth in terms of earnings among all universities in Japan (second and first among private universities) (data source: Fiscal 2013 industry-university collaboration activities status survey at universities by the Ministry of Education, Culture, Sports, Science and Technology (MEXT)).

NUBIC continues with its aim to revitalize education and research, and work further for social contribution through the university's research results as a contact for collaboration between Nihon University, industry sector, and government into the future.



# 法学研究科

## **Graduate School of** aw

法学研究科は,教育研究上の目的を実現するため,公法学・私法学・政治学の3専攻を置き,各専攻に博士前期課 程・後期課程一貫した研究者養成を目的とする「専門研究コース」を,他方で,高度な専門的知識に支えられた職 業人養成に対する社会的要請の高まりに対応して「総合研究コース」を設置。さらに政治学専攻に現職公務員の 再教育及び公務員志望者の教育を目的とした「公共政策コース」を設置している。

The Graduate School of Law provides three majors, namely Public Law, Private Law, and Political Science in order to fulfill the schools purpose in terms of education and research. "Specialized Research Course" that aims at developing the abilities of researchers seamlessly through masters and doctorate programs have been set up for all three majors. In addition to the above, a "Comprehensive Research Course" has been established to meet the growing social demand for nurturing professionals with advanced specialized knowledge. Furthermore, a "Public Policy Course" that aims at re-educating serving government employees and providing education for government office candidates is provided in Political Science.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

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### 公法学専攻 | Public Law





博士前期課程では,公法に関連する多様な講座を配 し, 国家(立法・行政・司法)組織, 地方自治体, 並びに 国際組織等において活躍し得る人材の専門知識を向 上すべく,公法等の理解と応用の能力を養成していま す。さらに、高等教育機関や研究機関等において、公 法分野の専門的研究を志す者,その他公法分野に関 する職業を志す者に対して、その実現に不可欠な教育 を行う。

博士後期課程では,公法分野に係る専門的教育によ り, 将来, 研究者または高度な専門的職業に従事する 志をもつ者に対して,専門的知識の修得のために必要 な研究指導を行い、研究成果としての論文作成の指導 を行っている。

The Master Course offers a variety of courses related to public law in order to improve the specialized knowledge of the students who aspire to take on an active role in government agencies (legislation, administration, and administration of jurisprudence), municipality, and international organizations in the future. It also educates students who can understand and apply the public laws and other special knowledge. This course also provides education that is indispensable to achieving the goals of the students who want to conduct specialized researches in the public law field and get a career related to public law in institutions of higher education or research institutions, and so on.

The Doctor Course offers specialized education related to the public law field. It provides guidance for students who aspire to become researchers or engage in advanced specialized careers in the future so that they can perform researches required for getting specialized knowledge and write theses on their research results.



#### 私法学専攻 | Private Law



博士前期課程では、大学教育で学んだ知識をさらに確実なものとし、これを応用しうる教育を行う。修了後には研究者、公務員、税理士あるいは一般企業の法務業務に携わる法律専門職として活躍し得る人材を養成している。このために法の歴史的発展や比較法の研究による法制度の理解を図り、法解釈の手法とその実践を試み、判例研究などの方法を通じての生きた法を理解教育・研究を行う。

博士後期課程では、研究者として活躍し得る人材、これに準ずる専門職に従事する人材を養成している。この目的の達成のために研究対象とする法の立法過程の研究、外国法の研究もしくは判例研究などを通じて法の運用状態を調査することを支援し、研究成果としての論文作成の指導を行っている。

The Master Course provides students with education that enables them to reinforce and apply the knowledge they learned as undergraduates. This course develops human resources who can take up active roles as researchers, government employees, certified public tax accountants, and legal professionals concerned with legal affairs of general companies. To achieve these goals, the Master Course works on enabling the students to understand the legislative system through researches on the evolution of law through history and comparison methods of law and try out the legal interpretation methods and put them into practice. This course also provides education and research opportunities for students to understand the "living law" through various methods such as research on past court cases.

The Doctor Course develops human resources who can be active researchers and engage in professions similar to a researcher. To achieve these goals, this course encourages students to investigate the operation and management of law through researches such as the law-making-process subject to a target research, research on foreign laws, and research on past court cases.

The course also provides guidance for preparing theses that are the results of research.



### 政治学専攻 | Political Science





政治学を中心に隣接領域の多様な学科目を設置して, 高度な専門知識と独創性を有する研究者を養成している。また, 広い視野と高い専門知識を備えた高度専門職業人, 政治に造詣の深い市民の育成をめざす。

前期課程には3コースある。専門研究コースは、後期課程進学希望者を対象にしたコース。総合研究コースは、政府・国際・民間の各部門で活躍するのに必要な専門的知識の修得をめざす。公共政策コースは、国家・地方の行政に関連した公共政策に関する研究・教育に特化したコースである。1年間で修士の学位が取得できる「1年制課程」も設けている。

博士後期課程では,有為な人材が,本格的な研究者に育つために必要な専門的教育を行い,博士の学位取得をめざす。

Political Science offers diverse course subjects in related areas and focused on political science. This major educates researchers who can develop advanced specialized knowledge and creativity. It also aims at nurturing high-level professionals with a broad perspective and highly specialized knowledge as well as individuals who are well versed in politics.

The Master Course has three courses. The Specialized Research Course is intended for students who wish to enroll in the Doctor Course. The Comprehensive Research Course is provided for students to learn the expertise required to take up an active role in government, international, or private sectors. The Public Policy Course is specific for public policy research and education related to the municipality.

This course offers a one-year master's degree program that enables the students to get the master's degree in one year.

The Doctor Course provides promising students with the professional training required for them to develop into top-class researchers. The students of this course aim at getting the doctor's degree.



## **Graduate School of** Journalism and Media

高度情報化された民主的社会におけるジャーナリズム及びメディアの公共的な重要性に鑑み、新聞学のより専門 的な知識及び実践能力の涵養に努め、もって民主主義及び民主的社会の発展に資するという理念に基づき、新聞 学に関する優れた研究・開発能力を持つ研究者、教員を養成すること及び新聞学に基づく高度な専門的知識・能 力を持つ人材を養成している。

The Graduate School of Journalism and Media functions based on the philosophy that one can contribute to the advancement of democracy and a democratic society by taking into consideration the public importance of journalism and media in a highly information-oriented democratic society and making an effort to cultivate more specialized knowledge and practical skills of journalism. Based on this philosophy, the school develops the skills of researchers and teachers with outstanding research and development capabilities related to journalism and human resources with advanced specialized knowledge and skills based on journalism.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

http://kenkyu-web.cin.nihon-u.ac.jp/scripts/websearch/

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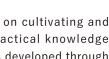
2-3-1 Misaki-cho, Chiyoda-ku, Tokyo, 101-8375 +81-3-5275-8502





### 新聞学専攻 | Journalism and Media

 $\mathbf{M}$   $\mathbf{D}$ 



博士前期課程では,現代社会における多種多様な ジャーナリズム及びメディア現象を解明するため,理 論,制度及び歴史の研究を基軸として,批判的思考力 に裏打ちされた専門知及び実践知の涵養と修得をめ ざします。このため、様々な課題の中で、新たな公共性 原理に基づくジャーナリズム及びメディア秩序の再構 築を重要な課題として指導を行っている。

博士後期課程では,新聞学のより専門的な知識及び 実践能力の涵養に努め、新聞学に基づく高度専門職 業人として、様々な分野で活躍できる人材を養成する ことを目的とし、博士(新聞学)の学位取得をめざす。

The students of the Master Course work on cultivating and acquiring specialized knowledge and practical knowledge supported by critical thinking. This effort is developed through research on theory, system, and history as the keys to finding out facts about the various journalism and media phenomena in

To help students to achieve their objectives, this course provides guidance with importance given to reconstruction of the code of ethics and conduct of journalism and media based on a new principle of public interest, among the various subjects.

The Doctor of Journalism and Media aims at developing human resources who can work in various fields as highly-qualified professionals with a journalism base. In other words, the students of this course endeavor to gain even more specialized knowledge and practical skills in journalism as they work for their doctorate.



# Graduate School of Literature and Social Sciences

文学研究科では、人文科学・社会科学の学問をそれぞれの学問的な特徴を尊重しつつ、理論的な探求から実証的研究、先端的な実験・実習までをとり込んだ創造的かつ実践的なカリキュラムを用意し、言語と人間、歴史と文化、心と身体といった普遍的なテーマについて思索を積み重ね、社会的貢献度の高い研究者・教育者など、ゆたかな知性と感性を持った人材を養成する。

The Graduate School of Literature and Social Sciences offers a creative and practical curriculum that incorporates theoretical studies with empirical research, front-line experiments, and hands-on practices. This school produces researchers and educators who can make significant contributions to society with high intelligence and deep sensibility. To achieve that goal, students contemplate such universal and timeless themes as language and people, history and culture, and mind and body.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

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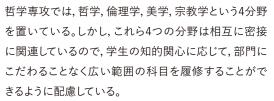
3-25-40 Sakurajosui, Setagaya-ku, Tokyo, 156-8550 +81-3-5317-8497





### 哲学専攻 | Philosophy





多くの授業は、一方的な講義というよりは、参加者全員によるディスカッション主体のゼミナール形式であり、 講義という形を取っている授業であっても、参加者から の質問やコメントに応じて進行する。

こうしたディスカッションを通じて, 論理的思考力とコミュニケーション能力を養い, 哲学的問題に主体的に取り組む姿勢を身につけてもらうことをめざす。

Philosophy covers the four disciplines of metaphysics & epistemology, ethics, aesthetics, and religious studies. Since these four disciplines are closely related the philosophy program enables students to learn a wide range of subjects in accordance with their intellectual pursuits regardless of their specialization.

Many of the classes are conducted seminar style, focusing on discussions instead of one-way lectures. Even the lecture style classes are carried out by encouraging students to voice their questions and comments.

This department provides students with an education that enables them to work proactively on philosophical issues by developing their abilities in logical thinking and communication through discussion.



## 史学専攻|History





博士前期課程では,豊かな歴史的学識をもって社会に 貢献できる人材を養成することを目標とする。史学専 攻に所属する教員の研究対象は,日本史,東アジア史, イスラーム史, 西洋史, 考古学, 日本文化財学などで, 学生はこれらの地域・時代のなかから各自が専門とす る分野を中心に講義・演習を受講して,自己の研究の 糧とする。さらに、学生は指導教員のもとで自らの研究 課題に応じた史・資料の収集, 読解を行い, 自己の研究 を深めて,修士論文を執筆していく。

なお, 史学専攻では, 高等学校の地理歴史科及び中 学校の社会科の専修免許状の取得も可能であり、より 高度な専門性をもった教育者の育成にも力を注いで いる。

The major purpose of the Master's program in history is to develop students who can make social contributions through knowledge of history. Faculty research specializations include history of Japan, East Asia, Islam and the Occident, as well as archaeology and studies of Japanese cultural properties. Postgraduate students attend lectures and practical training classes focusing on the fields in which they want to specialize. They also choose their own research topics and to submit a Master's thesis under a faculty advisor.

Postgraduate students of this program are encouraged to acquire a teacher's license. They can qualify for the Specialized Certificate for High School Geography and History, and the Specialized Certificate for Junior High School Social Studies.



## 日本史専攻 | Japanese History





日本史専攻博士後期課程では,自立した研究者・教育 者を育成することを目的とする。日本史専攻に所属す る教員が研究対象とする時代・分野などは、古代史、中 世史, 近世史, 近現代史, 日本考古学, 日本文化財学な どである。学生は、自己の研究分野に応じた教員の指 導のもと, それぞれの研究課題に関連した文献資料・ 考古資料などを精査し、史・資料を検索、調査、分析す る能力の向上を図る。さらに、過去の研究を踏まえて自 己の研究意義を明確にしたうえで、学会報告や学術論 文の作成を行い、課程博士の学位取得をめざす。

The major purpose of the Doctoral program in Japanese history is to educate postgraduate students to be scholars and educators. Japanese history doctoral faculty specialize in ancient, medieval, early-modern, modern and contemporary history of Japan, Japanese archaeology, and studies of Japanese cultural properties. Postgraduate students are required to study archaeological and (or) historical materials under a faculty advisor, and to improve their research skills. Furthermore, they are encouraged to deliver papers at academic meetings as well as contribute articles to academic journals. Thorough these activities, the final aim for postgraduates is to submit a Doctoral dissertation.

## 外国史専攻 | Foreign History

D



外国史専攻博士後期課程では,自立した研究者・教育者を育成することを目的とする。外国史専攻に所属する教員が研究対象とする時代・分野などは,東洋前近代史,東洋近現代史,西洋前近代史,西欧近現代史,ロシア・東欧近現代史,東アジア考古学などである。学生は,自己の研究分野に応じた教員の指導のもと,それぞれの研究課題に関連した文献資料,考古資料などを精査し,史・資料を検索,調査,分析する能力の向上を図る。さらに,過去の研究を踏まえて自己の研究意義を明確にしたうえで,学会報告や学術論文の作成を行い,課程博士の学位取得をめざす。

The major purpose of the Doctoral program in foreign history is to educate postgraduate students to be scholars and educators. Foreign history doctoral faculty specialize in the pre-modern and modern history of Asia and Europe, the modern history of Russia and East Europe, and East Asian archaeology. Postgraduate students are required to study historical and (or) archaeological materials under a faculty advisor, and to improve their research skills. Furthermore, they are encouraged to deliver papers at academic meetings as well as to contribute articles to academic journals. Through these activities, the final aim for postgraduates is to submit a Doctoral dissertation.

## 国文学専攻 | Japanese Language and Literature





国文学専攻は、上代から近現代までの日本文学と、日本語学のあらゆる領域を研究対象とする。そして、実証的な研究及び最新の理論と方法に基づく研究実践を通して、社会に貢献できる研究者・教育者をはじめとする有為な社会人を育成することを目的とする。したがって本専攻では、日本文学と日本語学に関する強い探求心と研究意欲を持ち、社会に貢献したいという熱意のある学生を求めている。日本文学研究の分野は、上代から近現代までに関する基礎研究、特殊講義、特殊研究、総合研究、応用研究によって構成され、日本語学の分野は、日本語学の様々な分野に関する基礎研究、特殊講義、特殊研究、総合研究、応用研究によって構成されている。

Japanese language and literature provides classes on ancient to modern Japanese literature in addition to all facets of research related to the Japanese language. This department offers a curriculum of research and practical classes based on empirical research and the latest theories and methods that aims at developing the abilities of researchers and educators, as well as creating competent members of society who can make contributions in this field. To that end, this department seeks students who have a keen inquiring mind and motivation for research on Japanese literature and Japanese language and are eager to make contributions to society. The areas of research on Japanese literature consist of basic research, special lectures, special studies, integrated research, and applied research related to works written from ancient times to the modern era. The areas of research on Japanese language consist of basic research, special lectures, special studies, integrated research, and applied research related to various aspects of the Japanese language.



#### 中国学専攻 | Chinese Literature



中国学専攻では,中国及び中国語圏の言語と文化に ついて, 古代から現代までを研究対象とし, 文献学的な 実証研究と先進的な理論に基づく研究,及び専門的か つ多様な学識とその運用能力の修得,養成を図る教育 を行う。

カリキュラムは,中国及び関連諸地域に関する語学,文 学,文化学,またそれらを包括する中国学のディシプリ ンに基づいた研究を行うべく編成している。具体的に は, 古典中国語学, 現代中国語学, 中国古典文学, 中国 現代文学,中国古代思想,中国現代思想,中国古典文 化・社会,中国現代文化・社会,中国・東アジア史等の 分野の基礎知識と先端的研究方法を,総合的に関連さ せながら学んでいく。

The graduate program in Chinese studies includes ancient to modern era Chinses works and the languages and cultures of Chinese speaking regions. This program provides the scope for philological and empirical research and research based on advanced theories, along with the education to enable students to master and develop specialized and multiple disciplines of learning and experience and their application.

The curriculum is organized in a manner that enables students to conduct research on language, literature, and cultural studies associated with China and various related areas, as well as research based on the disciplines of Chinese studies that include the aforementioned studies. Specifically, students learn the fundamental knowledge and advanced research methods of fields such as classical Chinese language, modern Chinese language, classical Chinese literature, modern Chinese literature, ancient Chinese thought, modern Chinese thought, classical Chinese culture/society, modern Chinese culture/society, and Chinese/East Asia history, by making associations between these fields in a comprehensive manner.



## 英文学専攻│English Language and Literature **@ ●**



英文学専攻では,英米文学・英語学のより高度な専門 知識やその研究方法を深化させ、言語と文化の関りに ついての多元的な考察によって新たな研究領域を切り 開くことをめざす。本専攻では、その目的のため、上記 学問領域に重点を置いたカリキュラムを編成している。 指導教員による専門指導のもとに積極的な研究活動 を行うことにより、論理的思考能力、自己解決能力を修 得させると同時に、プレゼンテーション能力・コミュニ ケーション能力の強化を図る。

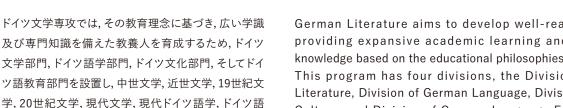
英米文学・英語学・英語教育の各分野に関する講義と 演習を通して学識を養い、その研究の基礎を築き、各方 面で活躍できる専門家の養成をめざす。

The graduate program in English language and literature opens up new research areas with pluralistic studies of the relationships between language and culture through a pursuit of specialized knowledge of British and American literature, English language, and in-depth research methods. For that reason, this program has established a curriculum that focuses on the above academic disciplines. Students actively conduct research under the academic guidance of faculty advisors in order to master logical thinking abilities and independent problem-solving skills. At the same time, students reinforce their presentation and communication abilities.

This program aims at grooming specialists who can take on active roles in various fields by helping students to develop academic knowledge through lectures and practical classes related to the fields of British and American literature, English language, and English education, and build up a foundation for conducting research in these fields.

## ドイツ文学専攻 | German Literature

M D



語教授法に重点を置いたカリキュラムを編成しており、 専門分野に対する基礎知識の提供及び研究へのスムーズな導入を目的とした講義科目が設置されている。 ドイツ語圏の文学・文化・語学の研究及び高度なドイツ

語力の養成を目的とし,柔軟な判断力を備えたドイツ

研究の専門家の養成をめざす。

史, 音声学, 時事ドイツ語, 表象文化, 社会文化, ドイツ

German Literature aims to develop well-read persons by providing expansive academic learning and specialized knowledge based on the educational philosophies of this course. This program has four divisions, the Division of German Literature, Division of German Language, Division of German Culture, and Division of German Language Education. The curriculum focuses on medieval literature, early-modern literature, 19th century literature, 20th century literature, modern literature, modern German language, German language history, phonetics, German language for current affairs, study of cultural representation, sociology of culture, and language pedagogy. The program provides a basic education for specialized fields along with lectures that help the students to engage smoothly in research.

The program teaches students to conduct research on the literature, culture, and language of German speaking regions and provides them with advanced German language capabilities. It also nurtures German research specialists equipped with the flexibility to make good judgements.

## 社会学専攻 | Sociology





社会学専攻博士前期課程では、アドミッション・ポリシーに掲げた人材を育成するために、「理論研究領域」「実証研究領域」「応用研究領域」の3領域からなるカリキュラムを編成している。博士後期課程では、研究指導教員の研究指導を受けながら、博士論文の作成を進める。

日本大学文理学部社会学科が1920年に創設されて以来,長年にわたる教育・研究活動の中で築き上げてきた「理論と実証と実践(応用)のいずれをも重視する学風」を土台に据えて,現代の社会現象を分析・解明するために,社会学の学問分野を柱に,幅広い知識と視野を身につけた人材の養成をめざす。

The Master's program in sociology offers a curriculum that comprises the three fields of theoretical research, empirical research, and applied research. The Doctoral program helps students to prepare a doctoral thesis while they receive research guidance from faculty advisors.

Since the founding of the Department of Sociology at the College of Humanities and Sciences of Nihon University in 1920, an academic tradition has been built that focuses on theory, empirical proof, and applications over years of educational and research activities. Based on these academic traditions, the graduate program in sociology aims at developing students who possess a wide-ranging knowledge and view centered on the academic disciplines of sociology so that they can accurately analyze and make sense out of modern social phenomena.



### 教育学専攻 | Education





教育学専攻では,グローバル化する知識基盤社会にお いて必要とされる人材の養成をめざしている。具体的 に言えば,高度な専門性と幅広い教養,高い倫理観を 有しながら,教育学及び体育学の課題を深く掘り下げ, そこから新たな知見を導き出すことができる研究者や 教育者といった人材である。

その教育理念を実現するために、教育課程は幅広く多 様な科目によって編成される。そして教育学専攻におけ る学びを通して,学生は自ら課題を設定し,様々な手法 や幅広い理論に裏づけられた創造的な研究を進めて いくことができる。

The education graduate programs are aimed at developing human resources for a steadily globalizing knowledge-based society. More specifically, these programs are intended to foster the skills of researchers and educators who have higher learning in specialized and wider academic knowledge as well as high moral values and can make new discoveries based on results gained by an in-depth pursuit of the academic subjects of pedagogy and physical education.

To develop the principles of education, the curriculum is organized with wide-ranging and divers e subjects. Through pedagogy and physical education study, students can push forward with creative research backed up by various methods and extensive theories.



## 心理学専攻|Psychology





心理学専攻心理科学コースは,心理学の幅広い領域 の講義科目を履修することによる「専門的知識の獲 得」, 高度な研究環境の中で活発な研究活動を実践す る「研究の実践」,自身の研究成果を適切に発表し討議 するための能力を身につける「研究発表」の3点を教育 の主軸としている。臨床心理学コースは、基礎心理学を 土台とし、臨床・研究・教育のバランスのとれた臨床心 理職者の養成を基本方針とする。

博士後期課程は,心理学領域及び関連領域において, 研究・教育あるいは高度に専門的な業務に従事して斯 界の発展に貢献しようとする学生を迎え入れる。 基礎から応用まで幅広く学ぶことができるカリキュラム

を通して研究を行い,有能な人材の養成をめざす。

The psychological science program in psychology focuses on three points: gaining specialized knowledge through a wide spectrum of psychology lectures; practical studies by conducting dynamic research activities in an advanced research environment; and presentation of research by acquiring adequate competence to make presentations research results and debate with other researchers. The basic policy of the clinical psychology program is to nurture clinical psychologists who have a well-balanced understanding of clinical studies, research, and knowledge founded on basic psychology.

The doctoral program welcomes students who are eager to contribute to the progress of this field by engaging in research or education or taking up highly specialized professions in psychology or related disciplines. This program aims at developing students by having them take part in research through a curriculum that enables them to learn a wide range of subjects from basic studies to their applications.



# Graduate School of Integrated Basic Sciences

本研究科は自然と人間との共生という理念のもとに、地球に優しい科学・技術の探求と確立をめざすところを目標としてる。地球情報数理科学専攻と相関理化学専攻の2専攻から構成され、多彩な境界領域で接する両専攻が横断的に結ばれているところに特色があり、それぞれの学問領域を融合させた総合的な教育・研究を通じて、特色ある人材の育成をめざしている。

The aim of our Graduate School is the pursuit and establishment of eco-friendly science and technologies based on the principle of coexistence between human beings and nature. The school has two departments, namely, Earth Information Mathematical Sciences and Correlative Study of Physics and Chemistry. The advantage of these courses is that they overlap in various related areas and are linked with each other in an interdisciplinary manner. The school aims at developing human resources with a distinctive character through the interdisciplinary education and researches in which academic areas of these courses are unified.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

http://kenkyu-web.cin.nihon-u.ac.jp/scripts/websearch/

〒156-8550 東京都世田谷区桜上水3-25-40

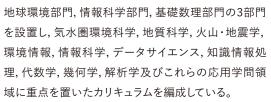
3-25-40 Sakurajosui, Setagaya-ku, Tokyo, 156-8550 +81-3-5317-8524





## Earth Information Mathematical Sciences





これら3部門は、「観測データの解析とシミュレーション」「計算機による各種自然現象や社会現象の解明」「計算原理現象のモデル化」「ファイナンス・保険数理への確率過程論を用いたアプローチ」をキーワードとして相互の関連づけ、及び、複合化をめざしている。博士前期、後期課程を通じて、専門分野に対する基礎知識の提供及び研究へのスムーズな導入を目的とした講義科目が設置されている。

Earth Information Mathematical Sciences has three divisions called Division of Earth-Environmental Sciences, Division of Computer Science, and Division of Mathematical Sciences. This course offers a curriculum that puts importance on the environmental science of brackish-water zones, geology, volcanology/seismology, environment information, information science, data science, knowledge information processing, algebra, geometry and analysis, and their applications.

These three divisions have established a mutual association and integration based on the keywords—"observed data analysis and simulation," "elucidation of various natural phenomenon and social phenomenon using a computer" "modeling of computation principle phenomena," and "approach to financial and insurance mathematics using the theory of stochastic process."

Through the Master's Course and Doctor's Course, this major provides the basic knowledge for specialized fields and lectures that will help students to be engaged smoothly in various researches.



#### **Correlative Study of** 相関理化学専攻| **Physics and Chemistry**





物性科学部門,分子機能科学部門,光·電子科学部門, 数物科学部門の4部門を設置し,物理学,化学,生物学 の基礎科学とその応用学問領域に重点を置いたカリ キュラムを編成している。

博士前期課程では,学際的領域を広くカバーした相関 理化学専攻共通の多彩な選択授業科目を設置してい る。研究に必要な専門知識の修得に加え、広い視野か ら学問をとらえ、それを自らの研究に生かすことを通じ て,応用性,柔軟性,社会貢献性に優れた人材を育成

博士後期課程では,論文発表などのトレーニングを通 じて, テーマ設定や競争的研究資金獲得を自ら行うこ とができる自立した研究者の育成をめざす。

Correlative Study of Physics and Chemistry is made up of four divisions, namely, Division of Solid-State Physics, Division of Molecular Functional Sciences, Division of Optical and Electronic Sciences, and Division of Mathematical Physics. This course provides a curriculum that focuses on the basic scientific subjects including physics, chemistry, and biology, and their applications.

The Master's Course provides a wide range of elective subjects that cover interdisciplinary studies and are available to all students of this course. The course develops human resources who are capable of competently applying their specialized skills with flexibility and make significant contributions to society through their understanding of the studies from a broad perspective and applying what they learn to the fullest extent in their own research, in addition to acquiring the specialized knowledge required for those researches.

The Doctor's Course aims at providing the opportunities for training required skills through making presentations and nurturing each student to be able to become an independent researcher who can set his or her own research theme and goal with competitive research funding.

## 日本大学研究所一覧

Main Research Institutes at Nihon University

日本大学総合科学研究所 University Research Center (URC) 日本大学量子科学研究所 日本大学教育制度研究所

日本大学精神文化研究所 arch Institute of Moral Civilization

日本大学人口研究所 ation Research Institute (NUPRI) 法学部法学研究所

Law Institute, College of Law 法学部政経研究所 nd Economics Institute, College of Law

法学部比較法研究所 Comparative Law Institute, College of Law 法学部新聞学研究所

of Educational Systems

Institute of Journalism and Media Studies, College of Law 法学部国際知的財産研究所

International Institute of Intellectual Property, College of Law 文理学部人文科学研究所 nd Social Sciences, College of Humanities and Sciences

文理学部自然科学研究所 Sciences, College of Humanities and Sciences

文理学部情報科学研究所 The Institute of Information Sciences, College of Humanities and Sciences 経済学部経済科学研究所

onomic Science, College of Economics 経済学部産業経営研究所

Institute of Business Research, College of Economics 商学部商学研究所 lesearch Institute of Commerce, College of Commerce 日本大学の知を支え、総合大学のメリットを活かした学術研究を推進している のが以下の研究所です。

The following research institutes support the knowledge offered at Nihon University and push forward academic studies with the full benefits of a large-scale university.

商学部会計学研究所 Accounting Research Institute, College of Commerce

商学部情報科学研究所 Institute of Information Science, College of Commerce

芸術学部芸術研究所

国際関係学部生活科学研究所

arch Institute of Science for Living, College of International Relations

国際関係学部国際関係研究所 Research Institute of International Relations, College of International Relations

理工学部理工学研究所

Research Institute of Science and Technology, College of Science and Technology

生産工学部生産工学研究所

arch Institute of Industrial Technology, College of Industrial Technology

工学部工学研究所 Research Institute of Engineering, College of Engineering

医学部総合医学研究所 Research Institute of Medical Science, School of Medicine

歯学部総合歯学研究所

ntal Research Center, School of Dentistry

松戸歯学部口腔科学研究所 Accepted Institute of Oral Science, School of Dentistry at Matsudo 生物資源科学部総合研究所

College of Bioresource Sciences

生物資源科学部国際地域研究所 tural Production (RRIAP), College of Bioresource Sciences

生物資源学部生命化学研究所

rch Institute of Life Science, College of Bioresource Sciences

薬学部薬学研究所

search Institute of Pharmacy, School of Pharmacy

通信教育部通信教育研究所

arch Institute of Continuing Education, Distance Learning Division



## **Graduate School of Economics**

本研究科では,研究者の養成に加え,高度専門職業人の育成,社会人の再教育,資格取得への積極的支援を教 育研究上の目的とし、学術界や実業界においてプロフェッショナルとして求められる高度な専門知識・能力を備え た人材の育成をめざす。より特化した高度専門職業能力の修得や、キャリアアップを目的としたコース制によるカ リキュラム運営を実施し、経済・金融・公共経済・経営・会計・税法コースの6つのコースを設置している。

The Graduate School of Economics' mission in education and research is to develop highly skilled professionals, re-educate working members of society, and provide active support to students for acquiring premium qualifications, as well as bring up competent researchers. This Graduate School aims at nurturing human resources with a high level of specialized knowledge and capabilities that are demanded of professionals in the academic field and business world. The Graduate School of Economics manages its curriculum with a courses program that focuses on development of students with advanced specialized professional abilities and career enhancement. The six courses in the curriculum include Economics, Finance, Public Economics, Business Administration, Accounting, and Tax Law.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

http://kenkyu-web.cin.nihon-u.ac.jp/scripts/websearch/

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博士前期課程では,経済学及びその関連学術分野(経 営学・会計学・情報学等)における,①専門学識の教授 及び研究能力の涵養を通じた研究者の養成,②資格 取得を含め目的に沿った専門知識・能力の涵養を通じ た高度専門職業人の養成、③社会人の職業的再教 育・実務的専門知識の涵養を3本柱としており、加え て, 学生の資格取得や就職についても積極的支援を 行う。

博士後期課程では,経済学及びその関連学術分野(経 営学・会計学・情報学等)において、研究者またはその 他の高度な専門性が求められる職業に従事する者に 対し,適切な指導を通じ,高度の研究能力及びその基 礎となる豊かな学識を涵養する。

The Master of Economics has three pillars: (1) nurturing professors with specialized knowledge and researchers with highly developed researching skills; (2) bringing up forward-thinking professionals by instilling specialized knowledge and capabilities along with a sense of purpose including gaining exceptional qualifications; and (3) providing working members of society with profession-oriented re-education and building up their practical specialized knowledge, all in the study of economics and economics-related academic fields (such as Business Administration, Accounting, and Information). Furthermore, the Master of Economics actively offers support to students in their efforts to acquire qualifications and future careers.

The Doctor of Economics provides quality guidance for both researchers and persons who take up a vocation that requires such advanced specialized knowledge in the study of economics and economics-related academic fields (such as Business Administration, Accounting, and Information). The objective of the Doctor's Program is to nurture students so that they acquire the capabilities of advanced research and gain a rich knowledge that will form the basis of such capabilities.



# 商学研究科

## **Graduate School of Business Administration**

商学、経営学、会計学の分野において先進的な研究を担うことのできる研究者の養成と、これらの分野における高度 の専門的知識を身につけた専門職業人を養成することを使命としている。先人が構築した知の伝統を正しく継承し、 鋭い問題意識をもって新たな知のフロンティアを切り開いていく優れた研究者を養成すると共に,実務界において 高度な専門的知識と真に創造的な問題解決能力を基礎にリーダーシップを発揮できる人材を養成する。

The Graduate School of Business Administration has the mission to produce researchers who can conduct advanced researches in commerce, business administration, and accounting fields and professionals who have acquired high-level specialized knowledge in these fields. This school aims at nurturing outstanding researchers who can effectively inherit and apply the knowledge passed down from their predecessors and open up new frontiers of knowledge with a keen awareness of related issues. The school also aims at developing human resources who can demonstrate leadership based on advanced specialized knowledge and highly creative problem solving skills in the business world.

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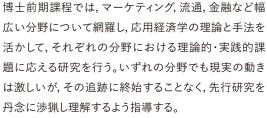
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### 商学専攻 | Commerce





博士後期課程では、各自が選んだテーマについての専 門的知識を深め、自立した研究者として学術的研究を 進めていく能力を身につけさせる。そのためにも,内外 の文献を探索し理解する能力を身につけると共に、指 導教員との真剣な討議, 学会での研究報告などが必要 である。

This Master Course covers a wide range of fields such as marketing, logistics, and finance. The students of this course conduct researches related to the theoretical and practical subjects in each of these fields by making the most of the theories and methodology of applied economics. Even though these fields undergo changes at a rapid pace, the school guides students to meticulously evaluate and understand advance research without being preoccupied about keeping track of such changes.

The Doctor Course educates students so that they can expand their specialized knowledge of a subject they have specifically selected and acquire the competence to push academic research forward as an independent researcher. To achieve these goals, the school considers it necessary for students to be able to study and understand Japanese and other foreign publications as well as engage in serious debate and discussions with supervisors and present their research reports at academic society meetings.



### 経営学専攻 | Business Administration

 $\mathbf{M}$   $\mathbf{D}$ 



博士前期課程では,営利組織である企業だけではな く, 非営利組織である病院, NPO, 公共部門をも対象と して,経営戦略,組織と管理,財務管理,人的資源管理, 販売管理,生産管理など経営の諸領域について,理論 的かつ実践的な研究を行う。特に、グローバルな視野 に立ち,変動する環境の変化に迅速に対応しうる経営 上の専門能力を有する人材,及び研究者をめざす人材 を養成する。

博士後期課程では,経営学の最新の理論的成果を吸 収しつつ, 自立した研究者として学術研究を進展させる ことのできる人材を養成する。

Students of the Master Course conduct theoretical and practical researches in various areas of business administration such as management strategies, organization and management, financial management, human resource management, sales management, and production management related to non-profit organizations such as hospitals, NPOs, and public sector organizations in addition to corporations or other profit-oriented organizations. This course produces human resources who have specialized knowledge and skills in business administration and can quickly respond to a changing business environment from a global standpoint and seeks a career as a researcher.

The Doctor Course develops human resources who can move forward academic research as independent researchers while they absorb the most recent theoretical findings on business administration study.



## 会計学専攻 | Accounting





博士前期課程では,会計学,原価計算,監査などを中 心としており、各分野のコアを形成する理論を様々な角 度から探究するとともに,会計実践及び会計実務に役 立つ最新の会計問題の解明も十分視野に入れた研究 を進める。研究者の方向あるいは会計専門家としての 方向のいずれに進んでも,対応できる資質と判断力を 身につけさせる。

博士後期課程では,将来研究者として自立できるように するための研究指導を行う。その目的に向かって,各自 の選択した研究テーマに即して先行研究を十分に渉猟 し,かつ独創的な観点から鋭い分析力と理論構築を可 能とする研究指導を行っている。

The Master Course focuses on accounting, cost accounting, and auditing studies. The course encourages students to search out theories that form the core of these fields from various perspectives and advance their research with consideration given to the findings of current accounting problems, which are useful for accounting practices. This course enables students to acquire the credentials and ability to make good judgements, which are essential for pursuing a career either as a researcher or professional accountant.

The Doctor Course provides guidance related to research to prepare students for future careers as independent researchers. To this end, this course provides guidance that enables students to conduct deeper studies into advance research based on the research theme of their choice and to develop an acute analyzing ability and construct their own theories.



# 芸術学研究科

# Graduate School of **Art**

63年の歴史を重ねる日本大学大学院芸術学研究科は、昭和26年に修士課程文芸学専攻からスタートした。専門分野のさらなる研究と創作を行うとともに、隣接領域の芸術と触れ合い、広い視野をもって芸術を理解することを目的として、平成5年度より映像芸術専攻、造形芸術専攻、音楽芸術専攻、舞台芸術専攻の4専攻を増設し、学部8学科を基礎とした大学院として大きな一歩を踏み出した。さらに、平成7年度からは、博士後期課程芸術専攻を開設し、芸術系総合大学院として幅広い知識と技術を持った人材を育成している。

The Nihon University Graduate School of Art has a rich history of over 63 years and started offering majors in the Literary Arts Master Course to students in 1951. The aims of the Graduate School of Art is to enable students to carry out further researches and creations in their specialized fields, have a close relationship with art forms in adjoining genres, and understand arts from a wider perspective. In fiscal 1993, the Graduate School of Art added four more majors, namely Image Arts, Fine Arts and Design, Musical Arts, and Performing Arts, and the school took a big step forward as a Graduate School with eight College of Art departments as a base. In fiscal 1995, the Graduate School introduced the Doctor of Arts course and has been developing human resources with wide-ranging knowledge and skills as a graduate school that offers a comprehensive arts education.

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## 文芸学専攻 | Literary Arts





文芸学専攻は、昭和26年に設置され、半世紀あまりの間に多くの人材を送り出している。現代文学を研究・創作の両面から考え、隣接ジャンルとの関係で幅広くとらえて文学の未来を探らせ、文学のみならず広義の文化研究でも新研究を追究。そのためのあらゆる試みを可能にして、文壇・論壇・学界の新しい担い手を養成している

文芸学専攻は、芸術学や芸術哲学を基礎とし、文学や文芸理論の研究、文芸作品の研究、作家研究を中心としたカリキュラムが組まれているのが特徴。さらに、ジャーナリズムやコミュニケーションを対象とした研究・教育を行うとともに、創作及び創作研究も取り入れていることは、ほかの文学専攻と異なった特徴の一つである。

Literary Arts has been producing many talented people for more than half a century since it was established in 1951. This major encourages students to explore the future of writing by making them think about modern literature from the aspects of both research and literary creation and understand modern literature in a broader relationship with adjoining genres. The students can pursue not only literature studies but also new researches even in cultural fields in a wide sense. Therefore, Literary Arts enables students to try out all kinds of studies in order to nurture new leaders for the literary world, the world of journalists, and academic circles.

The main feature of this major is the school's proven curriculum that focuses on researches involving literature and literary theory, literary works, and authors based on art studies and the philosophy of art. Furthermore, the major provides students with opportunities to pursue researches and education on journalism and communications as well as literary creation and literary creation study, which is one of the features that sets this major apart from other literature majors.

## 映像芸術専攻 | Image Arts





今日の芸術表現及び情報環境の中で,映像の持つ役割は大きくなっている。写真,映画,テレビジョンなどのメディアと,新たなデジタル,HDなどの電子技術との融合による視聴覚空間は拡大してきている。

映像芸術専攻は、こうした映像の様々なメディアを総合 化した理念でとらえている。また、それぞれのメディア 領域の本質は映像であるということを基調とし、人と社 会をつなぐ芸術メディアとしてデザインする研究と創作 活動を通じて専門知識を追求することを目的としてい る。

ことに映像は、技術によって成立する芸術表現であると 同時に、社会的機能つまり伝達特性を持つところから、 本専攻では、科学的知識、専門表現技術及び創作研究 をも重要視している。 The role of visual images is becoming more prominent in modern day expressions of art and the information environment. The audiovisual space, which is a union between media such as photographs, movies, and television programs and electronic technologies such as new Digital (HD) technology, is expanding progressively.

Image Arts aims at capturing these various visual image media by means of all-embracing concepts. The purpose of Image Arts is to pursue specialized knowledge through design researches and creation activities as art media that connects people with society, based on the idea that the starting point for all media is an image.

Visual images in particular are expressions of art that can be rendered using the tools of technology. At the same time, visual images have a social function, in other words, they possess the characteristic of information transmission. For that reason, this major puts considerable importance on scientific knowledge, specialized expression technologies, and visual image creation research.

## 造形芸術専攻 | Fine Arts and Design





研究活動を通じて育まれた「知」と、「知」に支援された「感性」の両者を合わせもつ人材の育成こそが、学部課程の発展形としての博士前期課程の主たる教育目標である。

より高度な専門性の涵養をめざす一方で、造形専攻を構成する絵画・彫刻・版画・造形理論・及びコミュニケーション、インダストリアル、建築のデザイン各分野が領域をこえて、創造的な交流をはかるための多様な機会も用意されている。

伝統の知恵と、情報化・国際化という時代の趨勢を、独 自のテーマ設定と方法論の構築を通じいかにして創造 の糧として取り込むか。ここに、視覚文化の優れた担い 手の養成をめざす造形芸術専攻の不断の目標がある。 The main educational goal of the master course in terms of advancement of the department studies curriculum is development of human resources who have both a "higher knowledge" fostered through research activities and a "sensibility" supported by this "higher knowledge."

Fine Arts and Design aims at helping students to cultivate a higher degree of expertise. At the same time, it offers students various opportunities to allow each field of this major (painting, sculpture, printing, design theory, communication design, industrial design, and architecture) cross over genres in an effort to achieve creative interaction.

The unshakable goal of Fine Arts and Design is to nurture outstanding leaders of visual culture who can incorporate traditional wisdom and current trends, such as the use of information technology and globalization, as a meaningful experience for creation by setting one's own theme and establishing one's own methodology.



#### 音楽芸術専攻 | Musical Arts





音楽は、芸術文化の中で重要な部分を形成するばかりでなく、社会がますます複雑化し、多様化するにつれて、演劇、舞踊、映画、放送などといった諸分野との結びつきも、さらに密接になってきている。

音楽芸術専攻は、芸術学部の各領域の歴史的な蓄積 による芸術性を根幹に据えながら、音楽の持つ芸術的 本質及び心理的側面を科学的に把握し、より高度な音 楽的感性と技法の向上をめざす。

同時に、理論的な研究を行うことを主眼として、多様化 する社会的要求にも柔軟に対応できる人材の育成を 目的としている。 Music plays an important part in arts and culture. As our society becomes more complicated and diverse, the relationship between music and other artistic fields such as theater, dance performances, movies, and broadcasts is becoming increasingly close.

The students of Musical Arts focus on artistic integrity that has been historically cultivated in each field taught at the College of Art. At the same time, the students make every effort to improve the musical sensibility and techniques to an even higher level through a scientific understanding of the essential artistic qualities and mental aspects of music.

Furthermore, Musical Arts focuses predominantly on conducting theoretical studies and aims at developing human resources who can flexibly respond to the diversifying needs of society.



## 舞台芸術専攻 | Performing Arts





舞台芸術におけるより高度な研究には、固定概念にとらわれず常に社会を観察する洞察力に加え、先人たちが何を理想とし、また何を創造してきたのか、内外の歴史を知り、それを広く自らの研究領域に活用させる、言わば「温故知新」の姿勢が必要である。

確固たる理論の研究や歴史への理解に加え、常に開拓者の精神で望む創造への挑戦は、理論研究であれ、また、それに基づく実践的研究であっても本質的に何も違いはない。

社会のニーズにあった研究者の育成はもちろん, 専攻での研究成果を活かした様々なシーンで活躍できる優れた表現者の育成も行っている。

In addition to having the insight to observe society without being constrained by stereotypes, the students must have the mindset for incorporating the so-called "Learning from the past" into advanced researches in terms of performing arts. To be more specific, students must know about the Japanese history as well as world history—what our ancestors considered to be perfection and what they were able to create based on those ideals—and then absorb those findings into their own researches.

In addition to researching well-grounded theories and understanding history, the essence of the challenges of creative exploration sought after with a pioneering spirit remains the same, regardless of whether it is the study of theory or practice based on theoretical research, or something else.

Performing Arts not only nurtures researchers who can fulfill the needs of society, but also cultivates individuals with outstanding expression abilities who can play an active role in various areas by making the most of their studies in this major.



#### 芸術専攻 | The Arts

D



近年の芸術環境は、異なった分野・領域の芸術が、先端 的なメディア等を介在させながらクロスオーバーしてお り、互いに密接な関係を結んでいる。

博士後期課程の専攻を1専攻とし,博士前期課程の文芸学専攻,映像芸術専攻,造形芸術専攻,音楽芸術専攻,舞台芸術専攻の5専攻を総合化したのは,そういった現代の芸術環境があってのこと。

そして、それは自らの専門分野の探求を目的としながら、他分野の研究を視野に入れて、新たな創造理論を構築する場として機能している。社会人の入学枠を設け(大学院設置基準第14条による教育方法の特例)、昼夜開講制を取り入れたことも大きな特徴の一つである

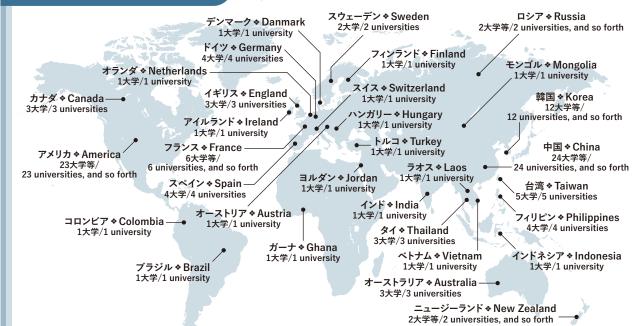
On the subject of the recent environment surrounding the arts, arts of different fields and areas are crossing over and having a close mutual relationship that also involves cutting-edge media. Because of such conditions surrounding modern art, five majors, namely, Literary Arts, Image Arts, Fine Arts and Design, Musical Arts, and Performing Arts, have been consolidated into one doctorate, the Doctor of Arts.

The Doctor of Arts functions as a hub for constructing new theories of creative exploration with a view to research other areas while the students pursue their own specialized fields. Another special feature of our Doctor of Arts are the quotas provided for admission of working members of society (according to "Special Exception of Education Method" in the provisions in Article 14 of the Standards for Establishing Graduate Schools) and the courses are held in the daytime and also at night so that adult students could enroll while remaining employed.

## 国際交流について International Exchanges

日本大学は、アメリカ、カナダ、イギリス、韓国、中国など31カ国1地域117大学等(2015年3月時点)と学術交流協定等を結んでいます。

Nihon University has academic exchange programs with 117 universities in 31 countries and 1 region including the U.S., Canada, U.K., South Korea, and China (as of March 2015).





# 国際関係研究科

## **Graduate School of** International Relations

日本で最初に設置され、「国際関係 | と「国際文化 | の2つの領域から、世界が抱える様々な問題にアプローチする大学 院国際関係研究科。問題解決の糸口を探ると同時に,グローバリズムとリージョナリズムの調和を図り,これまでの価値 観や研究手法にとらわれず学際的な視点と柔軟な発想から,諸問題に対しダイナミックにアプローチできる研究者を 養成するとともに、国際交流や国際援助を活動の場とする高度な専門知識を備えたグローバル人材の育成をめざす。

The Graduate School of International Relations, which is the first to be established in Japan, approaches wide-ranging issues relating to the world from two aspects, namely, "international relations" and "international culture." This Graduate School aims to nurture researchers who can discover unique ways to resolve problems as they promote harmony between regionalism and globalism, and take a dynamic approach toward various issues from an academic viewpoint and flexible thought processes that are not restricted by conventional values and research techniques. The Graduate School of International Relations also aims at developing global human resources who can take up active roles in international exchanges and international aid activities and are equipped with advanced specialized knowledge in such fields.

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## 国際関係研究専攻 International Relations

M M D



国際関係研究専攻は,博士前期課程及び博士後期課 程から構成されており、入学定員は前期課程10名(3名 は社会人対象の1年コース枠),後期課程が3名。

博士前期課程は、世界の各地域における諸問題に対 し,「国際関係 | 部門と, 「国際文化 | 部門の双方の領域 を視野に入れ,専攻分野における研究能力を養い,専 門性を有する職業等に必要な高度の能力を持つ人材 を養成します。また、2015年度から「安全保障コースプ ログラム」と「翻訳コースプログラム」の2つのコースプ ログラムを設置。

博士後期課程は、世界が直面している諸問題を新たな 視点からアプローチし、問題の解決につながる成果を 研究に活かし, 高度な研究職や教育者等国際社会に 貢献できる人材を養成する。

International Relations offers two programs: Master of International Relations and Doctor of International Relations. Admissions to the Master's Program and Doctor's Program have openings for 10 students (3 places reserved for the one-year program for adults) and 3 students, respectively.

Master of International Relations helps students to develop researching abilities in a major field of study in both areas of "international relations" and "international culture" in order to tackle various issues in each region of the world. This program nurtures human resources with advanced abilities needed for jobs that require special expertise. Two course programs "Security Program" and "Translation Course Program" have been set up from fiscal 2015.

Doctor of International Relations develops human resources who can contribute to international society as advanced researchers or educators by approaching the various issues faced by the world from a new perspective and making the most of research results that would lead to solving problems.



# Graduate School of Science and Technology

理工学研究科は理学・工学領域の17の専攻で構成されており、真理を探究する基礎的なテーマ、人の生活を豊かなものにする、ものづくりやまちづくり等の実践的な研究テーマに取り組むことを通して、社会に必要とされる科学者や技術者を育成している。本研究科の研究成果は、それを担ってきた修了生と併せて社会で高く評価されている。本研究科に飛び込んで、広い活躍の舞台に飛び出して行こうではありませんか。

The Graduate School of Science and Technology offers 17 majors in science and technology fields. This school develops the skill sets of scientists and engineers who are vital to society through the basic premises of searching for facts and practical research subjects, for example, development of products and creation of communities that can improve people's quality of life. The researches coming out of this Graduate School as well as the alumnae who carried out those researches have a high reputation in society. Join our Graduate School and take up an active role on a wider stage!

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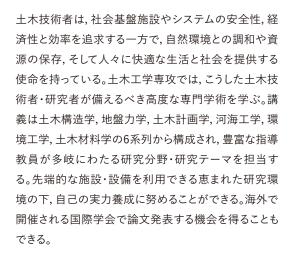
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## 土木工学専攻 | Civil Engineering





Civil engineers have a mission to maintain a balance between the natural environment and utilization of resources and provide a comfortable lifestyle and community to people in their pursuit of safety, economy, and efficiency of social infrastructure facilities and systems. Students of Civil Engineering learn highly specialized academic knowledge that is required of these civil engineers and researchers. Lectures at this school cover the six fields of civil and structural engineering, geomechanics, engineering and planning, hydrographic engineering, environmental engineering, and civil engineering materials. Supervisors with abundant knowledge and experience help students to focus on their research fields and research subjects that cover a wide range. Students can work on developing their own capabilities under an ideal research environment where they have access to cutting-edge facilities and equipment. The students can get opportunities to present their thesis at international academic conferences that are held overseas.



#### **Transportation Engineering** 社会交通工学専攻 and Socio-Technology





社会交通工学専攻は,道路や鉄道などの交通社会基 盤の調査計画,設計・施工,維持管理・運用に加え,環 境にやさしく社会福祉や地域アメニティにも配慮した 総合的な交通体系と社会・地域づくりを探求している、 我が国で唯一かつユニークな専攻である。

前期課程では交通・都市・環境の調和と共生が実現で きる地域社会の構築と運営のために、総合的かつ専門 的な視野に立つ教育・研究を行い,広く人類の福祉に 貢献し得る交通工学及び社会基盤工学分野の研究者・ 技術者を養成する。

後期課程では同様な視野に立ちつつ高度な,かつ応用 力を発揮しうる教育・研究を行い、当該分野において学 識豊かで視野の広い研究者・技術者を養成する。

Transportation Engineering and Socio-Technology is a unique graduate program that is offered only by this Graduate School in Japan. This major offers a curriculum on research and planning, designing and construction, and maintenance management and operation of transportation infrastructure such as roads and railways, etc. In addition, it also pursues the concepts of an eco-friendly integrated transportation system as well as development of society and community with proper considerations for social welfare and local amenities.

The Master Course produces researchers and engineers in transportation engineering and social infrastructure engineering fields who can contribute widely to the welfare of the public. To that end, this course provides students with the education and research from integrated and specialized viewpoints for building and administrating a local community that achieves harmony and coexistence between transportation systems, city, and environment.

The Doctor Course nurtures researchers and engineers with an in-depth knowledge and broad perspective in this field. To meet this objective, this course provides students with advanced education and research that help them to demonstrate high-level skills of application from the same standpoints as the Master Course.



### 建築学専攻 | Architecture





建築学専攻の対象とする学問分野は広く,人間生活に 直接関わり,社会とのつながりも密接である。本専攻 は,多彩な教授陣を擁し,その講義・研究分野は技術・ 工学分野,都市・社会学分野から造形・芸術分野,歴 史・建築保存学分野にまで及んでいる。ユニークな講義 としては、総合的設計能力を養うため、ステューディオ 形式で集中講義を行い、デザイン作業を通してプログ ラミング, デザイン, プレゼンテーションの課程を学修す る「建築設計ワークショップ」や建築再生, コンバージョ ン, 長寿命建築, 歴史的都市資源, 環境保全など建築デ ザインの新たな可能性を学修する「サスティナブルデザ イン特論|等があげられる。

Architecture covers extremely wide fields of study with a direct relationship to the lifestyles of people and close ties to society. This major has a broad faculty of professors who provide diverse lectures and research opportunities in the fields of technology and engineering, urban and sociology as well as art and design and historical architectural conservation. Some of the unique lectures offered are "Architectural Design Workshop" and "Advanced Course on Sustainable Design." The former provides a studio-based intensive course that allows students to develop comprehensive designing skills and to learn a curriculum such as computer programming, designing, and presentation methods through the design work. The latter enables students to learn new possibilities of architectural design such as restoration and conversion of a building, long-life building, historic urban resources, and environmental conservation.

#### **Oceanic Architecture and** 海洋建築工学専攻 **Engineering**



海洋建築工学は海洋や沿岸の空間における安全で快 適な建築を考究する学問分野。したがって海洋建築工 学専攻では,海洋や沿岸の環境に相応しい建築と地域 の計画,設計と開発に関する専門知識の修得をめざ す。カリキュラムは、建築工学、都市工学、海洋工学、海 洋環境工学に関する基礎から最先端の広範囲の技術 を学習する科目で構成されており、高度な研究を行う ための幅広い知識が得られる。さらに、特別研究にお ける研究の進捗状況の評価や問題点に関する指導教 員との定期的な議論により、学位を取得するために必 要な高度な研究論文を作成することができる。

The Oceanic Architecture and Engineering is an academic field that studies safe and comfortable architecture for the ocean and coastal spaces. The postgraduate study offers you the opportunity to develop in-depth knowledge, understanding and expertise in the design and development of architecture applied to the ocean and coastal environment.

The program provides a comprehensive state-of-the-art technology of architecture, urban design, building engineering, ocean engineering and ocean environment, which will foster a broad knowledge to build your advanced researches. As you can have periodical discussions with your academic supervisor on your research issues and your progress is to be assessed regularly, you will be able to submit substantial theses, which are required to earn the degree of Doctor and Master in Engineering.



## 機械工学専攻 | Mechanical Engineering

M D



本専攻では環境と安全の両面から人間生活を豊かに するため、機械工学と自然科学の基礎理論を応用し、 社会のニーズに応える「ものづくり」に貢献できる創造 性豊かな技術者の養成を目的としている。

弾塑性力学・機械力学・熱工学・流体工学・機械工作 法・材料工学などの機械工学の基礎分野に重点が置 かれていることは当然であるが, 応用的な分野である 内燃機関・自動車工学の教育が充実していることも本 専攻の特色のひとつといえる。

研究室における自由闊達な議論を通し,現象の調査・ 観察能力, 問題の発見能力, 研究計画の立案能力, 問 題の解決能力,指導力と協調性,説明・コミュニケー ション能力をもつ人材を育成する。

Mechanical Engineering aims at developing the skills of highly creative engineers who apply mechanical engineering and natural science to create innovative products that meet the social needs for making lifestyles of people more affluent in terms of both environment and safety.

This major primarily focuses on the basic fields of mechanical engineering such as elasticity and plasticity, engineering mechanics, heat engineering, fluid engineering, manufacturing engineering, and machine materials. In addition, this major also provides the advantage of a complete education on the applied field of internal-combustion engines and automotive engineering.

Through open and spontaneous discussions in a laboratory, this major produces human resources who have the ability to investigate and observe phenomena; detect problems; draw up research plans; engage in problem-solving, take up leadership and work with a team; and clearly explain details of research or discovery and communicate properly.



#### **Precision Machinery** 精密機械工学専攻 **Engineering**



博士前期課程では,ロボティクスや知的メカトロニクス 等の先端分野に対応できる技術者の育成を目標とす る。そのために、機械工学に加えて電気・電子工学の基 礎を修得させ,ロボット自動制御技術,人間工学技術, 新素材技術,エネルギー変換技術,センサ・マイクロマ シン技術等の技術分野に関する教育・研究を行う。これ らの諸活動を通じて, 先端分野にも対応できる人間性 豊かな創造力のある技術者を養成する。

博士後期課程では,上記の研究活動や学会発表などを 通じ, 高度な専門知識と研究能力を養い, 情報発信力 を身につけさせる。これらにより、広い視野に立った豊 かな学識を有する技術者・研究者を養成する。

The Master Course aims at providing an education that produces engineers who can make their mark in cutting-edge fields such as robotics and intelligent mechatronics. With that goal, this course enables students to learn the basics of electric and electronic engineering in addition to mechanical engineering studies and provides educational and research opportunities related to technological fields such as automatic control technology of robots, human engineering technology, new material technology, energy conversion technology, and sensor/micro-machine technology. Through such disciplines, this course nurtures engineers who possess rich human values and creativity that enable them to tackle cutting-edge fields.

The Doctor Course encourages students to develop advanced specialized knowledge and research capabilities and acquire the skills to communicate information using the research activities of abovementioned Master Course and experience of giving presentations at related academic societies. This course produces engineers and researchers with a substantial knowledge from a broad perspective through these activities.



## 航空宇宙工学専攻 | Aerospace Engineering



本専攻では,流体工学,燃焼・推進工学,材料・構造工 学,誘導・制御工学を中心に学び,研究活動を通じて, 技術者倫理を含む人間形成に必要な素養を身につ け, 航空機・宇宙機の設計・開発, それらに関連した物 理現象の理解,宇宙科学の探究に必要な知識や技術, 問題発見・解決能力を培う。これにより、自啓自発の精 神を養い,科学・技術の発展,世界の平和,人類の福祉 及び地球環境の保護に貢献できる高度な技術者とな ることをめざす。

これに加えて,博士後期課程では,深淵な専門知識を 修め, 自立して研究を遂行する。これにより, 将来の国 際的研究指導者として活躍し得る研究者となることを めざす。

Aerospace Engineering provides students with an education that focuses on fluid engineering, combustion and propulsion engineering, structural and materials engineering, and guidance and control engineering. Students are schooled in essential human values including the ethics that an engineer should follow, through research activities. They also foster knowledge, skills, and problem-detecting and problem-solving capabilities that are required for designing and developing airplanes and spacecraft, understanding the physical phenomena related to designing and developing such machines, and pursuing space science. Through these activities, students cultivate a spirit of self-enlightenment and initiative and make an effort to become a high-level engineer who can contribute to the evolution of science and technologies, world peace, welfare of the human race, and protection of the global environment.

In addition to the above, students of the Doctor Course absorb specialized knowledge in depth and conduct researches on their own. The students make an effort to become active international research leaders of the future.

## 電気工学専攻 | Electrical Engineering

M D



電気工学は、進歩が速く対象が多様で、理学、工学はもとより、医学、教育などのあらゆる分野に利用されている。当専攻では、広範囲に及ぶ電気工学の内容を5つの系列、エネルギー応用、計測・画像処理、情報・通信、光・エレクトロニクス、電気物理・物質工学に分類し、教育を行っている。

各系列では、活発な研究活動を通して応用力を身につけ、広い視野と高い見識を持って問題を見極める能力を習得できるようマンツーマンの指導を行っている。さらに、系列間の有機的つながりにより、さらに大きな研究成果と教育効果をあげている。大学院生自らが成果を国内外の学会等において発表し、高い評価を得ている。

The field of Electrical Engineering is progressing at a rapid pace and its targets are diverse. It is applied in all kinds of fields such as medical and educational, in addition to the science and engineering fields. The major of Electrical Engineering provides a course in which wide-ranging contents of electrical engineering are categorized into five fields, namely energy application; measurement and image processing; information and communications; optoelectronics; and electrophysical and material engineering.

In each field, one-on-one instruction is provided so that students can develop skills of application through energetic research activities and the ability to identify problems with a wide perspective and deep insight. Furthermore, coordination between the different fields are producing even higher research results and producing higher educational effects. The graduate students themselves present the research results they have gleaned from such education and research activities with high standing at academic conferences in Japan and overseas.

## 電子工学専攻 | Electronic Engineering





今日,情報・エレクトロニクス技術は社会インフラストラクチャーの基幹として,ますますその重要性が高まっている。このような状況下で,本専攻ではさらに先端的かつ創造的なテーマに挑戦すべく,使命感と知的探究心が旺盛で独立心あふれる研究者・技術者を世に送り出すことをめざしている。回路・制御,材料・素子,通信・光,情報工学に跨る幅広い電子技術の基礎知識を関連づけ,最新のトピックスや技術動向を学び,情報・電子工学に関る先端的テーマを掲げる研究を遂行することによって,研究開発,専門業務に携わることのできる技術力,発表能力を備えた未来志向の研究者・技術者を養成する。

Today, information and electronic technologies have become increasingly important as the backbone of social infrastructure. To take up the challenge of further cutting-edge and creative studies, Electronic Engineering aims at sending out researchers and engineers with a sense of mission, strong spirit of intellectual curiosity, and spirit of independence to the international stage. This major nurtures future-minded researchers and engineers who are equipped with the technological skills that enable them to engage in research and development and specialized professions, as well as presentation skills. To achieve that goal, the course persuades students to learn latest topics and technology trends by associating them with the basics of across-the-board electronic engineering that includes circuits and controls, materials and elements, communications and optoelectronics, and information engineering, and conduct researches based on information and electronic engineering-related cutting-edge themes.



#### Materials and 物質応用化学専攻 **Applied Chemistry**





多様化し高度化する化学工業の先端技術を開発する 研究能力と独創性を持つ、実力ある化学技術者や研究 者の育成を目標としている。

大学院学生は研究室に所属し、教員スタッフの指導の もとに、高度な研究を行っている。研究分野はナノテクノ ロジーからライフサイエンスと多様で,選択肢は大きい

各分野に関連科目が複数設置されているため,広範な 知識を得られるほか,特別演習によって専門分野にお いて実力を発揮できるようめざしている。研究成果は、 国内外の学会や学術誌で発表され,科学技術の進展に 大きく貢献している。修了者は、企業の研究者・技術者 として,あるいは官公庁などで活躍している。

The major of Materials and Applied Chemistry aims at developing competent chemical engineers and researchers who have technological ability and creativity to lead progressive cutting-edge activities in the field of diverse and advanced chemical industries.

Each graduate student belongs to an individual laboratory to perform high-level researches under supervision of a professor. The research field is widely varied from nanotechnology to life science, and each student has a high degree of freedom in choosing his or her theme.

Each field offers multiple related subjects to give the students inclusive knowledge, and, at the same time, offers graduate seminars to train them in a specialized field. Outcomes of the researches are presented at various conferences and some of them are published in academic journals. Such domestic or overseas activities are significantly contributing to the progress of science and technology. Graduates have been getting positions not only as researchers or engineers in corporations, but also as clerks in government and municipal offices.



## 物理学専攻|Physics





物理学専攻では素粒子,核融合,プラズマ,宇宙,物性, 生物物理など、様々な自然現象を解明している。素粒子 論では日本初のノーベル物理学賞受賞者である湯川 秀樹の研究を継承したり、核融合と超伝導では日本の 草分けとして実験的研究を行っている。科学史や教育 情報などまれな分野の研究も行っている。教育におい ては研究能力はもとより、論文執筆や学会発表を推奨 することで作文・プレゼンテーション能力を磨いてい る。充実した研究環境を整えて、伸び伸びとした学生生 活を送ることができるように配慮し、学生の持つ特質を 生かす指導を行っている。

The major of Physics studies all kinds of natural phenomena, such as particle physics, fusion, plasma, condensed matter, biological physics, and universe. Department of Physics has inherited the research of Dr. Hideki Yukawa, who was the first Nobel Prize in Physics winner in Japan in the theory of elementary particles, and has been pioneering experimental researches on nuclear fusion and superconductivity in Japan. This course also provides the scope for researches on very unique fields such as the history of science and information technology for education.

The major also encourages students to actively write theses and present research results at academic society conferences so that they can improve their research skills as well as the ability to prepare documentation and give presentations. The course provides a state-of-the-art research environment, relaxed and easy student lifestyle at the graduate school that allows them to concentrate on their studies, and guidance that makes the most of each student's qualities.

### 数学専攻 | Mathematics



数学専攻では,現代の純粋数学,情報数学の幅広い分 野から,個々の学生の志望,性格に適したテーマを選 び, その指導を通して, 論理的分析力, 発表力を体得し た数学応用者,教育者,研究者を養成する。幅広いカリ キュラムが備わっており、多方面に通じる専門知識を身 につけることも夢ではない。

教育方法は徹底した少人数教育であり, 高い専門指導 能力を有する教員による個別指導を受けることができ る。専門図書を集めた図書室は充実しており、同時に高 性能の計算機システムも完備している。我々とともに、 興味ある未解決問題に挑戦してみませんか。

The major of Mathematics helps students to select a theme that suits an individual student's aspirations and personality from a wide range of modern pure mathematics and information mathematics fields. The course nurtures mathematicians, educators, and researchers who gain an abundance of experience in logical analysis and presentation abilities under the guidance of supervisors for each study theme. This major provides a wide-ranging curriculum that makes it possible for students to acquire specialized knowledge related to the various aspects of mathematics.

The major provides comprehensive small-group teaching classes and the students can get individual guidance from a teaching faculty with highly specialized teaching skills. It has a large library with a collection of specialized publications and is equipped with high-performance computer systems. This major welcomes students who are eager to tackle unsolved problems.

## 地理学専攻 | Geography





地理学は様々な視点と方法で,多様な地理的事象を研 究する。その分野には、気候・地形などを対象とする自 然地理学,人間の諸活動と社会集団を対象とする人文 地理学, GISを活用する地理情報科学, 自然と人間の 関係をあつかう環境地理学, そして地域を総合的に考 察する地誌学がある。

こうした各専門分野における教育・研究活動が、大学院 生の主体性を重んじつつ、それぞれの指導教員のもと で精力的に行われている。フィールドワークや実験・実 習を重視し、各種の実験装置、GISや衛星画像解析ソフ トウェアなどを利用して研究活動が進められている。創 造性豊かで実践的かつ高度な研究能力を備えた研究 者,教育者,実務者などの養成をめざす。

The major of Geography studies various geographical phenomena from various perspectives using different methods. The course has five sub-fields, namely physical geography, which targets climate and landform; human geography, which targets various activities of people and social groups; geographic information science, which utilizes Geographic Information Systems (GIS); environmental geography, which studies the relationship between nature and human beings; and regional geography, which focuses on a particular region as a whole.

This major provides the scope for dynamic education and research activities in the abovementioned specialized fields under the guidance of supervisors associated with each field and at the same time preserving the independence of each graduate student. The course encourages students to take part in research activities with emphasis on field work, experiments, and hands-on training using various test equipment, GIS, and satellite image analysis software. The major aims at producing creative researchers, educators, and practitioners who are equipped with practical and advanced research capabilities.



#### 不動産科学専攻 | Real Estate Science

 $\mathbf{M}$   $\mathbf{D}$ 



不動産科学専攻の研究対象は,個別の土地や建物か ら,都市や地域,国土に至るまで広範にわたる。研究 テーマも, 工学系のテーマ, 社会科学系のテーマ, 実務 に即したテーマなど, 学際領域としての不動産科学全 般にわたる幅広いものとなっている。講義科目は,不動 産に関わる経済・法律,不動産の評価・運用,都市・地 域計画など、工学系と社会科学系科目とのバランスの 取れた体系的な教育プログラムとしている。

論文指導は,全教員と学生が一同に会する集団指導の 場を設け、毎回活発な議論が行われている。不動産に 関する高度な専門知識と,それを実社会で適用する応 用力を持った人材の育成をめざす。

The major of Real Estate Science covers wide-ranging research subjects from individually-owned real estate and buildings to urban, regional, and national land. The themes of the researches are also extensive and cover the whole field of real restate science as an academic discipline such as engineering-oriented themes, social sciences-oriented themes, and themes conforming to business practices. This curriculum provides a systematic educational program that is well-balanced between engineering-oriented and social sciences-oriented subjects such as economy and laws concerning real estate, real estate evaluation and management, and urban and regional development planning.

The major provides students with the guidance required for preparing theses through group instructions where all teaching staff and students gather to engage in energetic discussions. It aims at developing human resources who have advanced specialized knowledge related to real estate and ability to apply such knowledge in a real social setting.



#### **Medical Care-**医療・福祉工学専攻 **Welfare Engineering**





本専攻では,人工の物や環境と人体や人間の機能と のかかわりについて深く理解し、安全で健康な人間生 活を実現するための専門的技術を身につけた人材を 育成する。

博士前期課程では人間とシステムとのかかわりについ て深く探究し、自然の摂理を深く理解した上で、その結 果を具現化し、環境に適合した豊かで安全な社会の創 造に貢献するための高度な専門業務を遂行する能力 を備えた研究者,技術者を養成する。

博士後期課程では,研究成果をさらに発展させ,自立 した研究活動が行えるとともに、広い視野に立って問 題解決のできる研究者,技術者を養成する。

Medical Care-Welfare Engineering develops human resources with specialized skills that give them a deep understanding of the relationship between artificial objects and environment and between the human body and human functions and enables them to provide a safe and healthy livelihood for the people.

The Master Course produces researchers and engineers who are equipped with the capacity to carry out advanced specialized tasks that contribute to the creation of an affluent and safe society conforming to the environment. To achieve that goal, students are encouraged to study the relationship between people and systems at length, develop an in-depth understand of the laws of nature, and then present the results of their research efforts.

The Doctor Course produces researchers and engineers who can advance the researches further, carry out research activities independently, and engage in problem-solving from a broad perspective.



### 情報科学専攻 | Computer Science

 $\mathbf{M}$   $\mathbf{D}$ 



今日の社会の多くの分野で情報技術が重要な役割を 果たしている。情報科学専攻は、その情報技術の基盤と なるソフトウェア, ハードウェア, そしてネットワークの知 識を修得し、情報科学・情報工学分野の先端的な研究・ 開発を行うことのできる人材を養成する。

そのため講義科目は、情報論、オートマトン論、符号理 論特論といった情報科学の理論から,神経情報科学, 画像工学特論,人工知能といった専門領域,さらに,メ ディカルエレクトロニクス,交通情報応用工学といった 応用領域に至るまで幅広く設置している。

また,部外の研究機関や企業との共同研究も旺盛に 行っており、そこに学生も参加・貢献し、実践力を養って いる。

Information technology plays an important role in many areas of our society today. The major of Computer Science develops human resources who become highly knowledgeable on software, hardware, and networks, which make up the foundation of information technology, and are able to conduct cutting-edge researches and development in the computer science and information engineering fields.

To that end, this major provides a wide-ranging curriculum starting from computer science theories (such as information theory, automata theory, and advanced coding theory) to specialized subjects (such as neuro-information science, advanced image processing theory, and artificial intelligence) as well as applied sciences (such as medical electronics and transportation system and information applied engineering).

Furthermore, numerous joint researches with research organizations and corporations outside the school are conducted vigorously and students are participating and contributing to these researches in order to develop their practical skills.



#### **Quantum Science and** 量子理工学専攻| **Technology**





量子理工学専攻は、量子力学に基礎を置く理工学諸分 野の先端的研究とそれに付随する高度な教育を目的 として開設された。本専攻は「日本大学量子科学研究 所」と密接な連携を保っており、大学院生は恵まれた研 究環境のもとで,加速器・放射線科学,核融合・エネル ギー科学, プラズマ科学, 量子物性, 量子光学・量子情 報,量子力学・素粒子論,計算物理学など,量子科学に 関わる広い分野で研究を行うことができる。

本専攻は,物理・数学などの理学系学科の出身者はも とより, 電気・電子・機械工学などの工学系学科の出身 者も積極的に受け入れる。また、ここ数年は進路決定率 100%を維持しており、有名企業や研究・教育機関で多 くの優秀な修了生が活躍している。

Quantum Science and Technology has been established to provide cutting-edge researches in various science and technology fields that form the foundation of quantum mechanics and advanced education associated with those researches. This course has a close relationship with the Institute of Quantum Science, Nihon University. Therefore, graduate students can conduct researches in many fields related to quantum science such as accelerator and radiation science, nuclear fusion and energy science, plasma science, solid state physics, quantum optics/quantum information, quantum mechanics/theory of elementary particles, and computational physics under an ideal research environment.

The major wholeheartedly enrolls students of science-based faculties and graduates from departments such as physics and mathematics as well as students of engineering-based faculties and graduates from departments such as electric, electronic, and mechanical engineering. Furthermore, this major has maintained a 100% employment rate of its graduates in the last several years and many of its outstanding alumni play active roles in leading corporations and research and education institutes.



## **Graduate School of Industrial Technology**

日々, 進歩し発展・複雑化する工学技術に対応するため, 企業や研究機関などと連携した生産工学特別実習(イン ターンシップ)や, 生産技術マネジメントなどの生産工学系コースワークを整備。企業の生産活動を高度化できる実 践的かつ創造的な能力を持った高度技術者・研究者を育成する。

To keep up with engineering technologies, which continue to advance and become more complicated on a daily basis, the Graduate School of Industrial Technology has established industrial technology special practical training (internship) in a collaborative effort with corporations and research institutes, and industrial technology-based courseworks such as industrial technology management. The school produces advanced engineers and researchers with practical and creative capabilities who can take industrial activities to a higher level.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

http://kenkyu-web.cin.nihon-u.ac.jp/scripts/websearch/

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### 機械工学専攻 | Mechanical Engineering

M D



博士前期課程では他分野の技術との融合により急速 に進歩する機械工学の技術者養成のために, 専門的な 研究指導と学際的な教育を合わせて行う。特に,飛躍 的に発展を遂げつつある科学技術に対応できる柔軟 で斬新な発想力,創造性豊かな能力及び協調性を身 につけた高度の技術者・研究者を養成する。

博士後期課程では広い知識と深い探求心を養い,将 来社会で認められる研究者への道を切り開くことがで きる人材養成を目的とする。特に、これまでに培った発 想力, 創造性, 協調性等を基に, これらをさらに飛躍さ せるための斬新で独創的な研究に対する指導を通じ て能力養成を行う。また、その成果を広く関連の学協会 に問い、社会において高い評価が得られる研究者を養 成する。

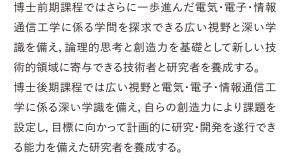
The Master Course provides guidance for specialized researches and interdisciplinary education in order to produce engineers in the mechanical engineering field, which is moving forward rapidly by incorporating technologies of other fields. Specifically, this course produces advanced engineers and researchers who work well with others and possess flexible and innovative ideas as well as creative skills so that they can respond adequately to scientific technologies that are undergoing dramatic advancements.

The Doctor Course aims at developing human resources who cultivate a wide knowledge base and deep inquiring mind and can pave their way to becoming a researcher who is recognized by society in the future. Based on the unique perspective, creativity, and sense of cooperation, which students acquire in the Master Course, this course improves the competence of students by providing guidance for innovative and original researches so that they can further advance the abovementioned qualities.

# 3

## 電気電子工学専攻 | Electrical and Electronic Engineering

M D



The Master Course produces engineers and researchers who are equipped with a broad perspective and in-depth knowledge, which makes it possible for them to pursue more advanced studies related to electric/electronic and information communication engineering, and contribute to new technology fields based on logical thinking and creativity.

The Doctor Course nurtures researchers who have a broad perspective and in-depth knowledge related to electric/electronic and information communication engineering as well as the capacity to set research themes based on their own creative approach and carrying out research and development in a systematic manner with the focus on the target.



### 土木工学専攻 | Civil Engineering





博士前期課程では土木技術をはじめ地球環境や生態系の保存,安心・安全な地域社会や市民生活などについて高度な専門的知識を教授する。そしてこれらの学識と,教員の個別指導による研究活動を通じて,国際的視野に立ち,企業等において技術的課題に挑戦できる指導的技術者を養成するとともに,研究者として自立できる人材を開発する。

博士後期課程では土木工学分野における高度かつ複合的な研究課題に取り組めるように,指導教員の指導のもとで,土木工学の専門家として論理的な現象把握による研究遂行能力とともに独創的研究能力を持つ人材を醸成する。

The Master Course provides high-level specialized education on civil engineering as well as conservation of the global environment and ecological system and safe and secure local communities and people's livelihood. By means of these knowledge and research activities coupled with individual tutoring from the teaching staff, this course produces engineers who can supervise civil engineering works from a global standpoint and work on technological issues at corporations and other organizations. It also produces human resources who can become independent researchers.

The Doctor Course helps students to develop the capacity to conduct research with a logical grasp of circumstances as a civil engineering professional and originality in their research, under the guidance of supervisors so that students can work on advanced and complex research subjects in the civil engineering field.



#### **Architecture and** 建築工学専攻 **Architectural Engineering**





博士前期課程では実学教育の理念に根ざし,建築工学 に関わる専門的基礎知識,及び一般教養を基にして, 社会の要請に十分応え得る建築技術者・デザイナーを 養成するために、優れた総合能力と高度な実学的専門 知識を,建築分野の各領域の研究を通し習得する。

博士後期課程ではより高度,かつ普遍性を有する建築 工学に関わる専門的知見を, 創造的な学術研究を通し 明らかにすることにより、建築工学分野の実学的発展 に資すると共に、建築界において指導的かつ実践能力 に優れた人材を養成する。

The Master Course produces architectural engineers and designers who can effectively meet the needs of society based on a general education and specialized basic knowledge related to architectural engineering in accordance with the school's policy of practical education. To that end, this course helps students to acquire general education and advanced practical specialized knowledge through researches in various fields of architecture.

The Doctor Course develops human resources who can contribute to a practical advancement of the architectural engineering field and demonstrate outstanding leadership and practical capabilities in the architecture industry. For that purpose, this course provides specialized knowledge on advanced architectural engineering with universal appeal through creative academic researches.



### 応用分子化学専攻 | Applied Molecular Chemistry @ •



博士前期課程では化学の専門知識を体系的に身につ けるとともに、物質の物理化学的性質及び化学反応を 分子論に基づいて理解し,グリーンケミストリーを基礎 とした機能性材料の創出,化学プロセス及び化学計測 システムの開発に携わることのできる研究者・技術者 を養成する。

博士後期課程では化学及びその関連分野に関する広 範かつ高度な学識を備え、精密合成、化学計測などの 先端技術を駆使して,研究を自立して論理的に行うこと のできる第一線の化学研究者を養成する。

The Master Course produces researchers and engineers who can create functional materials based on green sustainable chemistry and develop chemical processes and chemical measurement systems. To that end, this course helps students to systematically acquire a specialized knowledge of chemistry and understand the physic-chemical quality of materials and chemical reactions based on molecular theory.

The Doctor Course nurtures front-line professional chemists who are equipped with a wide range of advanced knowledge on chemistry and its related fields and can independently conduct researches in a logical manner by fully utilizing cutting-edge technologies such as precision synthesis and chemihydrometry.



### マネジメント工学専攻 | Management Engineering @ ©





博士前期課程では高品質の製品やサービスを効率よ く生産・提供する方法を研究し、開発から生産、流通、廃 棄に至る一貫した管理技術を修得させる。企業や組 織, 社会システムや地球環境も含め, 人が関わるあら ゆるシステムを最適にマネージするための技術を研 究・教育し,新しい産業社会に対応できる管理能力を備 えた技術者を養成する。

博士後期課程では物及びサービスの企画・開発から生 産,流通,廃棄に至る一貫したプロセスを最適化する方 法, さらにこの最適化を可能にするための組織の構造 と運用技術を研究・教育する。

The Master Course provides students with the education to research methods of producing and supplying high-quality goods and services efficiently and learn seamless management techniques from product development to manufacturing, distribution, and waste disposal.

Students learn about and engage in researches on technologies used for optimal management of all kinds of systems involving people including corporations, organizations, social systems, and global environment. This course fosters engineers who are taught management capabilities that meet the needs of the new industrial society.

In the Doctor Course, students study and engage in researches on methods for optimizing seamless processes from planning/ development of products and services to manufacturing, distribution, and waste disposal as well as the structure of organizations and operation and management technology that make such optimization possible.



#### **Mathematical Information** 数理情報工学専攻 **Engineering**





博士前期課程では情報化時代に適応する数理情報工 学の先進的教育・研究を通して、様々な問題に共通する 数理的な構造を解明し, さらに問題解決のための数理 的な手法と情報工学の活用について学び、情報化社会 における生産に関連したあらゆる場面で, 高度に進化 したシステムを扱うことのできる新しいタイプの実践的 な能力を備えた技術者・教育者を養成する。

博士後期課程では情報化時代に適応する数理情報工 学の先進的教育・研究を通して,現代社会における高 度で困難な問題の数理的な構造を解明し,情報工学を 活用した数理的な手法を開発し,問題を解決すること ができる新しいタイプの創造的な技術者や研究者,教 育者を養成する。

The Master Course produces new type of engineers and educators with practical skills who can use highly evolved systems in all kinds of situations related to production in an information-oriented society. To that end, students of this course interpret mathematical structures that are common to various problems and learn about the effective use of information engineering and mathematical methods for solving problems, through advanced education and researches of mathematical information engineering suitable for the information-oriented age.

The Doctor Course nurtures new type of creative engineers, researchers, and educators who can interpret mathematical structures of advanced and complex problems in a modern society, develop mathematical methods based on information engineering, and solve problems, by providing them with an advanced education and researches of mathematical information engineering suitable for the information-oriented age.



# 工学研究科

## **Graduate School of** Engineering

本研究科では,土木工学,建築学,機械工学,電気電子工学,生命応用化学,情報工学からなる6専攻を有し,幅広 い知識の上に高度な専門知識を身につけた技術者・研究者の育成はもちろん、地球や人類の未来にまで思いを馳 せられる豊かな創造力とまったく新しい発想で課題に取り組む独創性,何事にも果敢にチャレンジするフロンティア 精神なども在学中に養い、社会の発展に役に立つ独創的な頭脳を持った人材をより多く輩出していく。

The Graduate School of Engineering has six majors consisting of Civil Engineering, Architecture, Mechanical Engineering, Electrical and Electronic Engineering, Chemical Biology and Applied Chemistry, and Computer Engineering.

The main purpose of this Graduate School is to develop the skills of engineers and researchers who have a wide-ranging knowledge as well as a high level of expertise. Furthermore, the school aims to produce many human resources with creative minds who can be valuable to the advancement of the society. To achieve that goal, the school encourages students to cultivate a fertile and creative faculty that enables them to think about the future of the earth and the human race, the originality to tackle issues with completely new ideas, and a pioneer spirit to boldly take on any challenge, while they are in the school.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

http://kenkyu-web.cin.nihon-u.ac.jp/scripts/websearch/

〒956-8642 福島県郡山市田村町徳定字中河原1

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### 土木工学専攻 | Civil Engineering





創造性及び人間性豊かな技術者や研究者の養成を目 的として、技術者としての学識習得のためのカリキュラ ムを①地盤・構造・コンクリート系,②環境・水工系,③ 歴史・計画系などの3つ分野に分けるとともに、研究者 としての能力を開発するために、経験豊富な指導教員 の下で地盤, 構造, コンクリート, 環境, 水工, 歴史, 計画 等の各分野における研究課題に取り組む。

今後一層社会的要請として求められる自然環境に関す る水質の保全や水害などの防止対策, 自然災害に関す る地すべりや地震防災、構造物の経年劣化に対する長 寿命化の課題等の問題について、先端的な施設・設備 を備えた研究環境で実施している。

The major of Civil Engineering aims at nurturing engineers and researchers with rich in creativity and human values. The students can master the knowledge required to be an engineer through the curriculum, which is divided into three fields, namely, 1) ground, structure, and concrete, 2) environment and hydraulics, and 3) history and planning. The students can also develop their capabilities as researchers by working on their research subjects in each field of ground, structure, concrete, environment, hydraulics, history, and planning under a research supervisor with abundant experience.

The students can use an ideal research environment equipped with cutting-edge facilities and equipment to conduct their researches on problems such as natural environment-related water quality conservation and flood prevention measures, which are becoming increasingly necessary for society, natural disaster-related landslide and earthquake disaster countermeasures, and issues on improving the lifespans of structures against secular degradation.

#### 建築学専攻 | Architecture



建築学は、建築に関する学術、技術、そして芸術という 多様な領域を包含しており、それらを総合的にまとめあ げていく創造力が要求される。

建築学専攻は、このような学問的要請に応えるため、学部で学んだ基礎的な知識を掘り下げることはもちろん、快適な生活空間の創造や持続可能な社会を構築するための研究、建築の歴史的考察、建物の構造安全性、防災や新しい建築材料の研究、都市環境に関する研究など、最新の研究設備により社会の進展に対応できるように特色ある教育研究を行っている。さらに、改正建築士法に基づく一級建築士の実務経験要件に対応するインターンシップ制度を導入し、実践教育に力を入れている。

The studies on architecture include wide-ranging subjects related to academic learning, technology, and art related to buildings. The students of the major of Architecture are required to develop creative faculties so that they can comprehensively incorporate and refine these elements into architectural form.

To respond to academic demands, students of the major of Architecture are encouraged to take the basic knowledge they learned in the undergraduate courses to greater heights. Also, they are encouraged to conduct unique educational researches using state-of-the-art research facilities and equipment so that they can keep up with the advancements of society. For example, the students research on improving the comforts of the living environment and building a sustainable society; conduct historical studies of buildings; research the structural safety of buildings, disaster prevention, and new construction materials; and study the urban environment.

Furthermore, the major of Architecture puts emphasis on hands-on education through an internship program in order to meet the requirements of work experience of a 1st Class Registered Architect stipulated by the revised Architect Act.

### 機械工学専攻 | Mechanical Engineering



日本は自動車・エネルギー機器・電気機械・精密機械・ 工作機械・ロボット並びに情報機器などの生産技術分野で世界をリードしている。機械工学は、すべての産業の基盤を支える学問分野であり、医療・福祉・農林・建設などの異分野との融合も図られている。

機械工学専攻では、新時代に対応できる「ロハスの機械」に関する高度な知識を身につけたエンジニアの養成を目標にカリキュラムを編成している。

大学院生は主・副指導教員の下で,各分野の先端的な研究課題についての理論を学び,実験及び討論を繰り返し,その成果を学会で発表,学会誌等に投稿している。

Japan is a world leader in production technology fields such as automobile, energy-related machinery, electric machines, precision machines, machine tools, robots, and information systems. Mechanical engineering is an academic field that provides support for all industrial bases. The combine between mechanical engineering and other fields such as medical treatment, welfare, agriculture and forestry, and construction has been actively pursued.

The major of Mechanical Engineering has organized its curriculum to develop the skills of engineers who have acquired high-level knowledge related to "LOHAS (Lifestyles Of Health And Sustainability) machinery" that is suitable for the new age. The graduate students continuously study theories, conduct experiments, and have discussions on advanced research subjects related to various fields under the guidance of the main

experiments, and have discussions on advanced research subjects related to various fields under the guidance of the main and assistant research supervisors. They present their research results at academic society meetings and publish the papers in academic journals and other publications.



## 電気電子工学専攻 | Electrical and Electronic Engineering

M D



電気電子工学は、発展を続ける電子情報通信分野、社会インフラを支える電気エネルギー・電機分野など、社会の基盤となる学問である。電気電子工学専攻では、学部で学んだ基礎知識を確実なものとし、電気エネルギー系、材料・デバイス系、電子情報通信系、医療工学系分野の専門知識を深め、新しい技術の開発を進められる技術者の養成を目標にしている。また、電気、電子、情報通信、医療工学分野の先端的な研究を各研究室で行い、その成果を関係する学会で発表する。研究室における実験や議論、同僚とのコミュニケーション、学内外の研究者との意見交換や議論を通して、人間性を養い、問題の発見・解決能力を身につけていく。

Electrical and electronic engineering is a study that constitutes one of the basic tenets of society in areas such as the continuously progressing electronic information communication field and the electrical energy and electrical equipment field that supports the social infrastructure. The major of Electrical and Electronic Engineering aims at nurturing engineers who can reinforce the basic knowledge they learned in department studies, expand their expertise in the fields of electrical energy, materials/device, electronic information communication, and medical technology, and push forward with the development of new technologies.

Each student performs cutting-edge researches in the fields of electric, electronic, information and communications, and medical technology at the respective laboratories and presents the research results at meetings of the related academic societies. This major encourages students to develop their human values and acquire the capabilities to discover and solve problems through experiments and discussions at laboratories, communication with other students and researchers, and exchange of opinions and discussions with researchers in and outside this school.



## 生命応用化学専攻 | Chemical Biology and Applied Chemistry





生命化学の技術は、生命・環境・宇宙・材料からエネルギーなど広い分野で活用されており、生命応用化学専攻では、これらに対応できる化学物質の合成や物性の解析、それに加え生命現象を利用した新規材料の創生などの知識と技術を学んでいく。

研究面では、独創性を養い、「創造と発明の喜び」を与え、自己の発想を伸ばすように教育していく。また、広い視野を得る目的で、外国雑誌の輪講、セミナーなどを活発に行っている。大学院生と教員は親しく家族的であり、共に研究に取り組んでいる。当専攻の研究活動は活発であり、学会発表は多く、インパクトファクターの高い学術雑誌への論文投稿も多くなされている。

The technologies of biological chemistry are used in a wide range of fields such as life, environment, universe, material, as well as energy. The students of the major of Chemical Biology and Applied Chemistry learn knowledge and skills such as synthesis of chemical substances and analysis of their physical properties, which can be applied to the abovementioned fields. They also learn how to create new materials that take advantage of biological phenomenon.

In terms of research, this major provides students with the education they can apply to develop their creativity, feel the joy of creation and invention, and cultivate their own ideas. The major actively holds group study classes and seminars on foreign magazine articles so that the students can broaden their perspective. The students and teaching staff have a very close relationship and both engage in research in a family-like atmosphere. The research activities of this major are very energetic and many results are presented in academic societies and published in academic journals that have a high impact factor.



### 情報工学専攻 | Computer Engineering



情報化社会の進展に伴い, 高度な知識集約型産業基 盤の確立が要請されている。これに応えるため、情報工 学専攻では,情報工学分野における高度な知識と広い 視野をもった専門的技術者及び独創性に富む研究者 を養成することをめざす。

本専攻では情報工学の分野を基礎領域(情報基礎及 びネットワーク)と応用領域(知能情報及び情報応用) に分類し、それらに関する授業科目をバランスよく教育 課程の中に設定し,高度な専門的知識の修得を進めて

さらに, 教員と学生との日常的な接触及び研究ゼミ ナールなどを通して人間性教育を行い, 学生の適性に 応じた研究テーマを設定して個別指導を実施していく。

As the information-oriented society becomes more developed, there is a growing demand for assuring an advanced knowledge-intensive industrial base to keep up with the times. To respond to these social needs, major of Computer Engineering aims at nurturing specialized engineers who possess advanced knowledge and broad views in the computer engineering field, and researchers with abundant creative capabilities.

In this major, information engineering is categorized into basic information-related studies (basic informatics and networks) and their application studies (intelligence science and technology and applied information systems). The class subjects related to these studies are provided with an optimal balance in the curricula so that the students can acquire advanced specialized knowledge.

Moreover, this major encourages students to strengthen their human values through daily contact with the teaching staff as well as through research seminars. It also provides tutorial classes for each student by setting up research themes in accordance with their aptitudes.

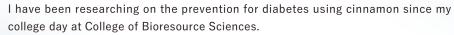
#### 留学生からのメッセージ ❖ Voices of International Students



陈静璇 Chen Jingxuan 大学院生物資源科学研究科応用生命科学専攻博士前期課程1年 The 1st Grade of Master Course, Major of Applied Life Sciences, **Graduate School of Bioresource Sciences** 

Student from Tianjin, China

学部時代から続けているシナモンを使った糖尿病予防の研究を行っています。放射性同位 元素を使った実験も行うのですが、日本大学には必要十分な研究設備が高度に整備されて います。大学院の研究では、自分が立てた仮説を裏付けるデータが出ないこともしばしばで、 つらいことも多いのですが、計画力と洞察力をもっと磨いて、壁を乗り越えていきたいと思い ます。この経験を生かし、将来は薬品もしくは食品の研究職に就きたいと考えています。





Nihon University provides the excellent advanced research facilities and equipments that are crucial for my experiments using such as radioisotopes. I have sometimes faced difficulties in the researches I conducted at the Graduate School because I was unable to obtain data that is necessary to support the hypothesis I formulated. I intend, however, to make a breakthrough by improving my planning ability and the capacity to be insightful. I plan to build a career as a researcher of medicine or food industry in the future by taking maximum advantage of the experiences I gain at this Graduate School.



# 医学研究科

## **Graduate School of** Medicine

本研究科は、統合的学科目や臨床系の教員が担当する基礎系学科目などを配置し、新たな学際的研究にも対応で きる専攻科目体系が構築され,独創的研究能力と豊かな学識,人間性を兼備した教育者と研究者を養成する任務 を担うとともに,高度な先進的医学研究を推進している。また,「優れた医学研究者の育成」及び「熱意ある医学教育 者の育成」を目標にし,独創的研究能力と豊かな学識,人間性を兼備した教育者と研究者を養成することを目的と している。

The Graduate School of Medicine offers diverse academic courses, including interdisciplinary science courses, clinician-organized basic medicine courses, and several advanced major courses covering new academic areas. We empower our PhD students to generate innovative approaches to academic problems, broaden their horizons, and discover their passion in their research topics. The two main objectives of our PhD program are 1) to train candidates to become top-level innovative researchers in their career of choice, and 2) to train candidates to become enthusiastic and inspiring medical educators.

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### 生理系|Physiology





生理系の各専攻は生命現象の本質を研究することを 目的として設置されている。研究を進めるために採られ る方法は様々であるが,できるだけ多くの研究方法を 理解して有機的に応用することによって、より成果の上 がるよう努めている。

また得られる成果が医療面でも利用され,人類の福祉 と幸福に寄与できるよう考慮されている。なお本系の修 了者には将来研究指向の医師ばかりでなく, 研究指導 者や大学等の教員となりうる人材を養成する。

課程を通じて,選択科目で医学研究に共通した実験技 術と理論の基礎的考えを修得し、副科目で研究遂行に 必要な独自の研究手段を修得しながら指導教員の下 で研究を進め,修了までに独創的な研究成果を論文と してまとめるための指導を受ける。

The major of Physiology was established for the purpose of researching the fundamentals of the phenomenon of life. Although diverse methods are applied to conduct this type of research, this major tries to improve research outcomes by applying as many research methodologies as possible in a well-coordinated manner.

Considerations have been put in place so that the results obtained through research can be used for clinical purposes and contribute to the welfare and happiness of humanity.

The major of Physiology aims to train students to become research-minded clinicians as well as research instructors and faculties at medical universities. Throughout the variety of subjects, PhD students are expected to gain fundamental research knowledge and experimental skills. Minor subjects will also help students acquire applicable skills in the field of their specific research areas and to publish their original research outcomes under the supervision of the instructors.

#### 病理系|Pathology





病理系の研究分野は①形態病理学より始まり,②微生物学,③免疫学,④腫瘍学,⑤病態代謝学,⑥臨床応用に直接関連した人工臓器・移植医学まで病理系に特化した専門性を有する研究内容を有している。

したがって, 病理系研究課程を通じて養成される人材は, 将来その分野の指導的役割を発揮することが求められるとともに, 当該分野における専門性を広く基礎並びに臨床医学の発展に還元できる能力と使命感とを有する人材を養成する。

課程を通じて、選択科目で医学研究に共通した実験技術と理論の基礎的考えを修得し、副科目で研究遂行に必要な独自の研究手段を修得しながら指導教員の下で研究を進め、修了までに独創的な研究成果を論文としてまとめるための指導を受ける。

The major of Pathology covers the following areas: 1) pathomorphology 2) microbiology 3) immunology 4) oncology 5) pathometabolism and 6) clinical studies of artificial organs and transplantation. PhD students in this major are expected to be leaders in these areas and to apply the expertise in the areas to the development of basic and clinical medicine. Throughout the variety of subjects, PhD students are expected to gain fundamental research knowledge and experimental skills. Minor subjects will also help students acquire applicable skills in the field of their specific research areas and to publish their original research outcomes under the supervision of the instructors.

#### 社会医学系 | Social Medicine





社会・環境と健康・疾病との関係を理解し、社会的に役立つ研究を行うために、疫学的手法(公衆衛生)・実験的手法(健康医学)などを研究に応用する能力を身につけさせる。

また、医療制度の現況を把握し、医療経営の基本となる医療の質と効率を定量的に評価し、医療事故の現状と予防対策を構築できる人材を育てる。そのほかに裁判と関連する親子鑑定・個人識別・法医解剖の必要性を認識し、実践できる人材を養成する。

課程を通じて、選択科目で医学研究に共通した実験技術と理論の基礎的考えを修得し、副科目で研究遂行に必要な独自の研究手段を修得しながら指導教員の下で研究を進め、修了までに独創的な研究成果を論文としてまとめるための指導を受ける。

The educational mission of the major of Social Medicine is to understand the relationships between medicine and social forces and conditions that affect health, and to acquire applied epidemiological and experimental skills. The students are also required to develop intellectual and analytic resources to investigate and address medical malpractice issues as well as to practice forensic pathological investigations.

Throughout the variety of subjects, PhD students are expected to gain fundamental research knowledge and experimental skills. Minor subjects will also help students acquire applicable skills in the field of their specific research areas and to publish their original research outcomes under the supervision of the instructors.



#### 内科系 Internal Medicine





内科系医学はあらゆる疾患の病態解明,診断法・予防 法・内科的治療法の確立を図ることが中心をなす。日々 医療を取り巻く状況が変化する中で,ますます高度化・ 複雑化する内科学の各分野の基礎研究を通して, 医科 学の進歩に対応し、科学的に明確な根拠に基づいた質 の高い優れた各分野の医療を実践できる専門医と,高 度な水準の医学研究に基づきより深い科学的洞察力 及び研究マインドと指導力とを兼ね備えた研究指導者 を養成する。

課程を通じて,選択科目で医学研究に共通した実験技 術と理論の基礎的考えを修得し,副科目で研究遂行に 必要な独自の研究手段を修得しながら指導教員の下 で研究を進め、修了までに独創的な研究成果を論文と してまとめるための指導を受ける。

The major of Internal Medicine is intended to produce clinically-trained scientists with the skills and knowledge needed to investigate the pathophysiology of various conditions, to develop diagnostic and preventive procedures, and therapeutic procedures. After this program, PhD students are required to practice top-level evidence-based clinical medicine, and to be research-minded clinical educators.

Throughout the variety of subjects, PhD students are expected to gain fundamental research knowledge and experimental skills. Minor subjects will also help students acquire applicable skills in the field of their specific research areas and to publish their original research outcomes under the supervision of the instructors.



### 外科系 | Surgery





外科系医学は疾病に対して観血的手技を用いて人体 の恒常性の回復を図ることが中心をなす。したがって, 外科系医学においては疾患の病態のみならず観血的 侵襲そのものによる病態生理の探究が求められる。

さらに、損なわれた臓器または組織の機能の回復・代 替補填を図るための生理学,薬理学的対応及び人工 臓器・組織にわたる広範な知識が必要である。大学院 課程ではかかる外科系医学に求められる臨床,基礎的 研究を行う人材を養成する。

課程を通じて,選択科目で医学研究に共通した実験技 術と理論の基礎的考えを修得し, 副科目で研究遂行に 必要な独自の研究手段を修得しながら指導教員の下 で研究を進め、修了までに独創的な研究成果を論文と してまとめるための指導を受ける。

The major of Surgery is intended to produce researchers and teaching staff in the different fields of surgical procedures and pathophysiology of invasive procedures. The program allows students to develop their scientific knowledge about pathophysiology of damaged organs and pharmacology and physiology of artificial organs.

Throughout the variety of subjects, PhD students are expected to gain fundamental research knowledge and experimental skills. Minor subjects will also help students acquire applicable skills in the field of their specific research areas and to publish their original research outcomes under the supervision of the instructors.



# 歯学研究科

## **Graduate School of** Dentistry

歯学研究科は,歯科医学の研究活動に必要な高度の研究能力及びその基盤となる豊かな学識とともに,歯科医 学の学術発展に寄与しうる研究を指導する能力を養うことを目的とし、昭和31年に私立歯科大学のなかで最初に 開設された。平成19年度からは社会人大学院入学制度を導入し、現在の定員は社会人大学院も含めて30名と なっている。また、現在までに、本研究科において約1400名が学位(歯学)を取得した。

The purpose of the Graduate School of Dentistry is to develop advanced capabilities that are required for research activities of dentistry, broad knowledge that serves as a base for such research capabilities, and qualifications for taking a leading role in researches that contribute to the academic advancement of dentistry. This School is the first to be established in 1956 among private dentistry universities.

From fiscal 2007, the School adopted the postgraduate admission system for working adults and the total seats for admission to this school at present is 30 including adult students. About 1,400 students have received degrees (Doctor of Dentistry) from this Graduate School until now.

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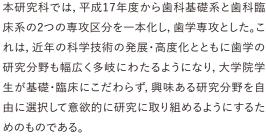
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#### 歯学専攻 | Dentistry





また、「口腔構造機能学分野」、「応用口腔科学分野」及 び「口腔保健科学分野 | の3分野を設置しており、その 目的は,学際領域の推進により,複数の教員による指 導体制のもとでの教育及び臨床に直結した歯学研究, 専門医育成としている。

As scientific technologies have advanced and become more sophisticated in recent years, the research fields of dentistry also cover a wider range now. From fiscal 2005, the Graduate School of Dentistry merged the two major categories of Basic Dentistry and Clinical Dentistry courses into one major, namely Dentistry. The two majors were merged so that graduate students could select research fields of their choice at liberty from Basic Dentistry and Clinical Dentistry regardless of the categories. In this way, the students can work on their researches with higher motivation.

The major of Dentistry has also set up the three disciplines of Oral Structural and Functional Biology, Applied Oral Sciences, and Oral Health Sciences. The purpose of establishing these fields is to enhance dentistry researches that are directly connected to education and clinical studies under a leadership system of several teachers in order to promote inter-disciplinary fields and develop first-class medical specialists.



## **Graduate School of** Dentistry at Matsudo

松戸歯学研究科では6つの学系(発育発達全身疾患学系,口腔病態制御学系,組織細胞再生学系,先端材料修復学 系, 口腔顎脳再建学系, 病態診断検査学系)のもとに28の専攻学科目が開設されている。大学院には科学する能力 をもった臨床医を育てることと、未来の歯科医学を担う教育・研究指導者を育てる目的があり、様々な最先端の機器 が充実した研究に最適な環境で、追求したい専門領域を深く掘り下げ、さらに専門性を高めることができる。

The Graduate School of Dentistry at Matsudo has 28 courses under six divisions (division of systemic diseases in relation to dentofacial growth and development, division of pathogenesis and control of oral disease, division of tissue and cell regeneration, division of advanced materials for restoration, division of oral and maxillofacial reconstruction, and division of oral pathology diagnostic). The school has two main purposes. One is to nurture dental practitioners who have the capacity to conduct scientific methodologies and the other to nurture educators and research leaders who can take on the functions of future dentistry. This school provides the optimal environment for research where the students can use various types of cutting-edge equipment that enable them to investigate deeper into their chosen specialized fields and reinforce their expert knowledge.

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#### 歯学専攻 | Dentistry



歯科医療の様々な問題に対して、科学的アプローチを 行い,解決を導き出す能力を持った研究者を育成す る。また最先端の研究結果の取り込みを行うことによ り, それらの情報を歯科医療の現場にフィードバック し、口腔疾患の診断、治療、予防に役立てることができ るような臨床医、未来の歯科医学を担う教育・研究者を 育成する。

The aim of the major of Dentistry is to produce researchers who have the capacity to use scientific approach to derive the solutions for wide-ranging problems involving dental care. Furthermore, the major develops the skills of dental practitioners who can incorporate cutting-edge research results in their work, feed back such information to dental clinics and hospitals, and make use of the information for diagnosis of oral disease, treatment, and prevention. This major also works on developing educators and researchers who take on the functions of future dentistry.



### **Graduate School of** Bioresource Sciences

オムニバス方式の充実した講義や演習等によって,生物資源科学に関する基礎的・応用的領域並びに先端的な 学際領域を追及する集団指導体制が確立している。この教育・研究体系によって、国際的な視野に立ち新しい科 学・技術上の課題を総合的に解決できる見識を備えた有為な人材を育成する。産業構造・社会の変化に迅速に対 応できる知識と創造性を身につける教育・研究を展開している。自ら課題を設定して探究するための基礎学力を備 え,専門分野で研究を行う意欲を持った人材を国内外から広く受け入れている。

The Graduate School of Bioresource Sciences offers a program of comprehensive and integrated lectures and practical classes for guiding students who want to pursue the bioresource sciences-related basic and applied studies as well as cutting-edge academic studies. This education and research system produces valuable human resources equipped with the insight to comprehensively solve new scientific and technological issues from a global perspective. The school provides education and research opportunities for students to acquire the knowledge and creative capabilities that enable them to quickly respond to the changes in the industrial world and society. It accepts a sizable number of Japanese and foreign students who have the basic academic skills for setting and pursuing their own research themes and the motivation to conduct research in their specialized fields.

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### 生物資源生產科学専攻

#### **Bioresource Production** Sciences





博士前期課程は,植物生産科学,動物生産科学,水圏 生物生産科学, 森林生産科学, 生産環境工学の各分野 から構成される生物資源生産科学に関する知識を教 授する。また、生物生産に関わる事項について生物資 源と生物環境の両面から総合的に捉え,生物資源を持 続的,かつ有効に管理・活用するための研究指導を行 ない, 広い視野から問題点を把握し, 応用力を発揮しう る人材の育成をめざす。

博士後期課程は,同前期課程で修得した知識や技術を 総合し,生物資源生産に関わる各分野での基礎・応用 研究をさらに発展させ、高度な問題解決能力と創造力 に富んだ専門技術者と優れた研究能力を発揮できる 専門の研究者の育成をめざす。

The Master Course teaches knowledge related to bioresource production sciences that consist of five fields, namely Plant Production Science, Animal Production Science, Aquatic Life Production Science, Forest Production Science, and Bioproduction and Environmental Engineering. This course also provides guidance that enables students to get a wide grasp on bioresource production-related matters from both bioresources and environmental aspects and conduct researches for managing and utilizing bioresources in an effective and sustainable manner. This course aims at developing human resources who can understand problems from a broad perspective and demonstrate their aptitude for applied studies. The Doctoral Course consolidates the knowledge and expertise that the students learned in the Master Course and helps them to further develop basic and applied researches in various bioresource production-related fields. This course aims at producing technical specialists equipped with advanced problem-solving skills as well as outstanding creative abilities and specialized researchers who can demonstrate superb researching capabilities.



### 生物資源利用科学専攻

#### **Bioresource Utilization Sciences**





本専攻は,生物資源利用学,生物資源利用化学,微生 物利用科学,及び食品科学の4分野から構成されてい

博士前期課程では,生物資源利用に関する多岐に渡る 知識を身につけ、また、生物資源利用に関する研究に 取り組むことで,広い視野から様々な問題点を把握し 解決できる人材を育成する。

博士後期課程では,生物資源利用に関わる高度な知 識を身につけ、また、博士前期課程で得られた研究成 果をさらに発展させることで、生物資源を有効に利活 用できる技術の開発に従事できる専門技術と研究能力 を持った研究者を養成する。

Bioresource Utilization Sciences consists of four fields, namely Bioresource Utilization Science, Bioresource Utilization Chemistry, Applied Microbiology, and Food Science. The Master Course develops human resources who can grasp and solve various problems from a broad perspective. To that end, this course enables students to acquire knowledge that covers a wide range of subjects related to bioresource utilization and encourages students to engage in bioresource utilization researches.

The Doctor Course aims at producing researchers with specialized technology and research skills so that they can engage in the development of technologies that can effectively make use of bioresources. To accomplish that, this course teaches advanced knowledge related to bioresource utilization to the students and encourages them to further develop the researches they conducted during the Master Course.



### 応用生命科学専攻 | Applied Life Sciences





生命工学的手法による生物及び生体機能の開発・応 用と、環境に配慮した新たな生物資源の創製に関する 基礎並びに応用研究の手法・技術を指導し、当該分野 における研究能力,または高度の専門性を要する職業 等に必要な能力を有する人材を育成する。特に本課程 では,生体分子科学,細胞生物科学,生体機能科学,分 子生態科学の各分野に関わる講義と演習を行い,これ らの専門分野の総合的学習による広い視野に立った 学識を教授する。

The major of Applied Life Sciences teaches the development and application of living beings and biological functions using a biotechnology-oriented method and the basics and applied research methods and technologies related to the creation of new eco-friendly bioresources. This major develops human resources who have the research capabilities in this field and the skills required for high-level professional careers. This course specifically provides lectures and practical classes related to the fields of Functional Biochemistry in Living and Ecological System, Cell Biology, Biological Functions, and Molecular Ecology in order to teach knowledge from a wide perspective through integrated learning in these specialized fields.



#### 生物環境科学専攻│Natural Environment Studies ⑩ ⑩



環境の自然的側面(地圏,水圏,気圏,生物圏)と人為 的側面(土地利用,環境操作)の関係を,分析学や計画 学の視点から考える。研究の対象は細胞から地球環境 にまで及ぶ。ストレス耐性科学分野では、ストレス耐性 植物の探索とそれを利用した環境修復を学ぶ。環境計 画学分野では,地域環境や緑地環境の保全・復元・創 出のための計画理論を学び、実証研究に取り組む。環 境創造保全学分野では、環境構成要素の機能を解析 し,生態系を考慮した環境の創造と保全を考える。環境 情報科学分野では、環境資源とその保全に関する情報 を収集し,数理解析による変化予測を学ぶ。

Natural Environment Studies encourages students to think about the relationship between the nature aspect (geosphere, hydrosphere, atmosphere, and biosphere) and artificial aspect of the environment (land use and environmental manipulation) from an analytic and planning studies viewpoint. The research targets cover subjects from the cells of living organisms to the global environment. In the study of the Stress Tolerance Science field, students investigate stress tolerant plants and learn about phytoremediation. In the study of the Environmental Planning field, students learn about the planning theory for conservation, restoration, and creation of a regional environment and green space and also engage in empirical research. In the study of the Natural Environmental Conservation and Creation field, students analyze the functions of environmental elements and think about creation and conservation of the environment with attention given to the ecosystem. In the study of the Natural Environment Information Science field, students collect information related to environmental resources and their conservation, and learn about the prediction of environmental changes by means of mathematical analysis.



### 生物資源経済学専攻 | Bioresource Economics





博士前期課程では、生物資源・食品経済学、食品流通・ 経営学,国際食料資源経済学,国際地域開発学の各分 野から構成される生物資源経済学を学ぶことで,国内 外における生物資源,特に生産・流通・消費に関する研 究手法や理論を習得し、この分野の研究能力と専門技 術を備えた農業,食品産業及び国際協力分野における 優秀な人材を育成する。

博士後期課程では,同前期課程で得られた生物資源 経済学をさらに,専門性に富みかつ高度な知識を学 び,国内外における生物資源,特に生産・流通・消費に 関する理論や実態を研究することで,この分野の優れ た研究能力を持つ研究者や, 高度な専門技術を備えた 国際協力分野におけるリーダーとなりうる人材を育成 する。

The Master Course teaches bioresource economics, which consists of four fields, namely Bioresource and Food Economics, Food Marketing and Management, International Food Resource Economics, and International Development Studies. Through this course, the students learn research techniques and theories specifically related to production, distribution, and consumption as well as bioresources in Japan and other countries. This course aims at developing exceptional human resources who are equipped with research capabilities and specialized skills in bioresource economics so that they can take up active roles in the fields of agriculture, food industry, and international cooperation.

The Doctor Course provides the education for students to advance their knowledge on bioresource economics that they learned in the Master Course and also study higher knowledge in areas of specialization. The students also engage in research of theories and current statuses particularly those related to production, distribution, and consumption as well as bioresources in Japan and overseas. The education provided by this course is aimed at developing researchers with outstanding research capabilities in bioresource economics and human resources with advanced specialized skills who can become leaders in international cooperation.



## **Graduate School of** Veterinary Medicine

オムニバス方式の充実した講義や演習等によって、獣医学に関する基礎的・応用的領域、並びに先端的な学際領 域を追及する集団指導体制が確立している。この教育・研究体系によって、国際的な視野に立ち新しい科学・技術 上の課題を総合的に解決できる見識を備えた有為な人材を育成する。獣医学に対する社会の要請に迅速に対応 できる知識と、創造性を身につける教育・研究を展開している。自ら課題を設定して探究するための基礎学力を備 え,専門分野で研究を行う意欲を持った人材を国内外から広く受け入れている。

The Graduate School of Veterinary Medicine has an established program for guiding students who want to pursue veterinary medicine-related basic and applied studies as well as cutting-edge academic studies through all-inclusive, integrated lectures and practical classes. This education and research program helps to develop useful human resources who are equipped with the insight to systematically solve new scientific and technological challenges from a global perspective. The school provides education and research for students to acquire the knowledge and creative ability that enables them to quickly respond to changes in the needs of society in terms of veterinary medicine. The program has a wide enrolment scheme open to Japanese and foreign students who have the basic academic skills for setting and pursuing their own research themes and the motivation to conduct research in their specialized fields.

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教育と研究を展開している。

### 獣医学専攻 | Veterinary Medicine



獣医学専攻は,獣医比較形態学分野,獣医比較機能学 分野, 獣医感染制御学分野, 獣医疾病予防学分野, 獣 医病態制御学分野, 獣医病態情報学分野の6つの分野 から構成されている。各分野は有機的な連携のもと、国 際的に貢献を果たしうる人材の養成を目的として教育・ 研究指導を行っている。獣医科学が研究対象としてい る産業動物,伴侶動物,実験動物,野生動物及び各種 の展示動物などの疾病予防・診断・治療・保護及び公 衆衛生の向上などを主なテーマとして,教育と研究に 取り組んでいる。付属動物病院や研究センター等の最 新鋭設備を活用して,国際的に活躍できる高度な専門 知識と技術を備えた国内外の人材を輩出するための

The major of Veterinary Medicine consists of six fields, namely Veterinary Comparative Morphology, Veterinary Comparative Bioscience, Veterinary Infectious Disease Prevention and Control, Veterinary Disease Prevention and Public Health, Veterinary Medicine and Therapeutics, and Veterinary Pathobiology and Imaging. All these fields are organically linked and provide guidance in education and research aimed at developing human resources who can contribute to the global veterinary field. This course covers studies and researches on key subjects such as disease prevention, diagnosis, treatment, protection, and public hygiene improvement for Veterinary Medicine objectives that include industrial farm animals, companion animals, laboratory animals, wild animals, and exhibition animals. The major provides learning and research for students using the cutting-edge facilities and equipment of the Nihon University veterinary teaching hospital and research center so that they can acquire advanced specialized knowledge and skills to take up an active role in the world stage.



# 薬学研究科

## **Graduate School of** Pharmacy

薬学や医療に関連した臨床的な課題を対象とする研究領域を中心とした広範な専門的知識と技術を涵養し, 自ら 研究課題を解決できる能力及び高度な医療を担うための能力を修得し、将来、指導的立場で活躍できる人材を養 成することを目的としている。そのために日本大学大学院医学研究科や医学部付属病院とも連携を深めながら、 より高度な研究や講義,実習に取り組める環境を用意している。

The Graduate School of Pharmacy aims at developing human resources who can master a wide-ranging specialized knowledge and skills focused on research areas covering clinical subjects related to pharmacy and medical treatment; acquire the capabilities to resolve research objectives on their own and take on a major role in advanced medical treatment; and play an active role in society by holding a position of leadership in the future. To achieve these goals, the Graduate School of Pharmacy has established a more extensive cooperation with the Nihon University Graduate School of Medicine and Nihon University Hospital to prepare an environment where students can work on advanced researches and courses and get hands-on training.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

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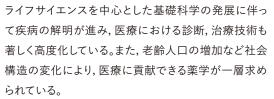
7-7-1 Narashinodai, Funabashi-shi, Chiba-ken, 274-8555 +81-47-465-8480





### 薬学専攻 | Pharmacy





このような多岐にわたる社会的要請に応え,薬学分野 における高度な専門知識と技術を涵養し, 独創的な研 究活動を通じて国際的な競争力及び自立して研究を遂 行し発展させる能力を修得させ,将来,医療の分野で 指導的役割を果たす質の高い薬学研究者・薬剤師を 養成していく。そのために疾患別治療学特論,薬局経 営戦略特論,薬剤学特論,専門薬剤師を考慮した病院 実習,基礎薬学の専門性を高めるための研究もできる ように準備している。

Finding the cause of an illness has become greatly improved based on the advances made in fundamental sciences, such as life sciences. As a result, diagnosis and treatment technologies in terms of medical treatment have progressed significantly. Due to changes in the social structure, for example, the increase in an aging population, there is a growing demand for the study of pharmacy that can directly contribute to medical treatment.

To respond to the wide-ranging demands of society, the major of Pharmacy is seeking to develop high-quality pharmacy researchers and pharmacists who can hold a position of leadership in the medical treatment field in the future. For that purpose, the major of Pharmacy helps students to master advanced specialized knowledge and skills in the pharmacy field and acquire competing power on a global level through creative research activities and capabilities to carry out and move forward their researches on their own. Therefore, the major of Pharmacy has organized in-hospital hands-on training with special consideration for illness-specific therapeutics, advanced course on pharmacy management strategy, advanced course on pharmaceutics, and pharmacy specialists. The major of Pharmacy has also set up an environment where students can engage in researches in order to improve their expertise in the fundamentals of pharmacy.



## 総合社会情報研究科(通信制)

### **Graduate School of** Social and Cultural Studies

(Graduate Program in Distance Learning)

科学技術の革新, 社会制度の変革, 知的パラダイムの転換等が急進展する状況下, 現代社会の種々の活動領域で, 高度な専門的かつ総合的な認識力・判断力をもってそれぞれの専門分野で指導的立場に立つ職業人の養成、及び 既成の枠を超えて諸科学間の有機的な関連を獲得できる独創的な学問研究者の育成をめざす。ITの特性を最大限 に活かして各人のグレードアップを図り、学際性と専門性との両立を可能にする教育を目的とする。

Innovations in scientific technologies, reforms of social systems, and shifts in intellectual paradigms are moving forward at a rapid pace. In these circumstances, the Graduate School of Social and Cultural Studies aims at producing professionals who can take up leadership positions in various fields using highly specialized knowledge, integrated cognitive skills, and decision-making abilities in various areas of modern society. The school also aims at nurturing academic researchers who can make organic associations between various academic disciplines by crossing boundaries. This school provides an education that strikes a balance between various disciplines and forms of expertise, and upgrades the career prospects of each student by making the most of information technology.

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#### **International Political Science** and Economics





本専攻は,地球市民的な発想に基づいて行動する人材 の育成を図る。広い視野と新鮮な経営感覚を有する人 材育成を目標とする経営・経済コースと, グローバルな 視野と豊かで柔軟な国際感覚を持つ人材育成を目標 とする国際(関係)・政治コース。

そこでは,研究領域の最先端の知識・情報を通して,地 球規模の課題,特に現代的な課題に関して,地球市民 的な視点から分析し、課題解決に取り組む力を備える ことをねらいとしている。

The major of International Political Science and Economics works on human capacity development that can lead students to think and act globally comprehensively based on global citizenship and partnership. It provides two courses, namely a management and economics course that nurtures professionals with a broad perspective and fresh sense of management, while an international (affairs) and political science course that nurtures professionals with ability on comprehensive understanding, flexible acceptance and deep analysis.

These courses equip students with the skills to come up with solutions for any problems on a global scale, particularly contemporary issues, by analyzing them as a global citizen with the help of cutting-edge knowledge and research data.

# 3

### 文化情報専攻 | Culture and Communication Studies





本専攻では、多文化・多言語化する現代社会における 文化の諸相及び役割を学際的かつ超域的に研究する。 その知見によって、各地域・各領域における文化力を向 上させ、多様な文化間のコミュニケーションと連携、共 生を推進する人材の育成を図る。

カリキュラムは、文化研究コース、言語教育研究コースの2コース。前者では文学、演劇、映像、メディアなど様々な文化の所産や現象について研究を深め、翻訳の理論と実践、多様な文化間の情報伝達や相互理解についても学ぶことができる。

後者では言語学習・教育について最新の理論を踏まえ、ICTを活用した言語指導・学習方法を学び、様々な文化的背景や習得レベルの学習者を対象とする言語教育実践力を養成する。

Culture and Communication Studies provides opportunities for students to conduct interdisciplinary and cross-boundary research on various aspects and roles of culture in modern society, which is becoming increasingly multicultural and multilingual. This program develops human resources for communication, collaboration, and coexistence between diverse cultures by improving their own cultural attributes in individual regions and areas.

The program consists of two courses, the cultural studies course and the language education studies course. In the former course, students can pursue in-depth research on literature, theater, visual culture, and media and learn about translation, information communications, and mutual understanding among various cultures.

In the latter course, students conduct research on language instruction and learning methods by fully utilizing Information and Communication Technology based on the latest theories on language learning and education. The students develop practical skills for providing language education for learners with various cultural background and learning levels.



### 人間科学専攻 | Human Science





本専攻は、公共機関と私企業とを問わず様々な社会的活動領域において、現代の先端的なニーズに対応するために、人間存在の基本問題について十分な知見をもって活躍できる人材を養成することを目標としている。心理学・教育学等をカリキュラムの支柱に据えながら、人間理解に不可欠な諸学問を有機的な連関において配列し、人間存在をめぐる現代的状況を深く理解できるように配慮している。

The major of Human Science aims at producing human resources who can take advantage of a deep knowledge base about basic problems in the human condition to play an active role in meeting the front-line needs of modern society in various social activity areas of both public and private organizations. This major offers a curriculum that focuses on psychology and pedagogy and has organized various studies that are indispensable to understanding people in a coordinated manner so that students can fully comprehend present-day situations involving human existence.



#### 総合社会情報専攻 | Social and Cultural Studies



世界や社会の状況が大きな変貌を遂げ、また精神的, 知的な枠組みが急激に転換しつつある中で, それぞれ の専門領域において,総合性と専門性とを兼ね備えた 高度な知見に立って主導的役割を演じる社会的職業 人,及び学問研究者の養成を目的とする。

ひとつの専攻を国際情報,文化情報,及び人間科学の 3つの「分野」に分け、高度な専門性を追究しながら、他 分野の諸科学にも周到な注意を払い, 専門性に見合う 総合性の樹立をめざす。

The state of the world and society is undergoing a radical shift with mental and intellectual conventions in the process of rapid changes. Under the circumstance, the purpose of Social and Cultural Studies is to nurture the skills of sociology experts and academic researchers who can take up leadership roles based on highly advanced specialized and integrated knowledge in each specialized field.

This major offers three fields of study, namely international information, cultural information, and human science in order to provide an integrated education without compromising specialized studies. To that end, the course pays greatest attention to the various sciences of other fields even as it enables students to pursue advanced specialized knowledge.

## 数字で見る日本大学の特徴

### Excellence of Nihon university Based on Numeric Data

【参考資料:『大学ランキング2015年度版』(朝日新聞出版)、「全国社長分析」(株式会社データバンク)より】

#### 卒業生総数

Total number of graduate students

伝統と歴史ある本学の卒業生数は約111万人を数えます。日本一の校友ネッ トワークが、社会における様々な場面で力になることでしょう。

The total number of graduates from Nihon University, which has a long tradition and history, is now more than 1110,000 students. The University has diverse alumni networks in Japan. These networks are going to be very helpful for your future academic or business activities in the real world.

#### 校舎面積 School building area



学部・研究科ごとに独立したキャンパスを整備し、教育や研究に必要な設備・ 環境を完備している日本大学。充実した学びの環境は、校舎面積で私立大学 第1位という数字に表れています。

Nihon University has independent campuses for each College and Graduate School with state-of-the-art equipment and optimal environment for providing the best education and conducting advanced researches. The school building space—largest among all private universities in Japan—assures the ideal learning environment.

#### 出身大学別社長数

Number of CEOs according to university

全国1位 22,582人 Highest in Japan 22,582人 persons

全国の株式会社や有限会社で,社長として活躍する卒業生の数は全国で 第1位。卒業生は社会で力強いリーダーシップを発揮していることが伺えます。

Nihon University ranks first in the number of graduates who are actively engaged as CEOs in stock companies and limited liability companies nationwide. One can surmise therefore that Nihon University graduates are providing strong leadership in Japanese society.

#### -級建築士試験合格者数

Number of students who passed the national examination for class-1 architects

> 全国1位 Highest in

建築界において「構造の日大」として知られる日本大学。例年多くの一級建築 士を輩出し、日本全国で数多くの本学OB・OGの建築士が活躍しています。

Nihon University is well known in the construction industry for its excellence in the architecture field. The University produces a great number of class-1 architects every year. There are many former students of Nihon University who work as leading architects all over Japan.



# 法務研究科(法科大学院)

## Law School

法務研究科は,法学の理論・知識をふまえた法律実務処理の基礎的能力のみならず,人間に対する深い洞察力, 健全な社会常識を備えた法曹の育成を目的とし、倫理観、正義感の涵養を通じて、市民から信頼され、また企業活 動のコンプライアンス等に通じた法律実務家を養成するとともに,総合大学の総合力,多様性を活かし,医療・環 境・知的財産等の専門分野への道を開くことをめざしている。

The purpose of the Law School is to develop legal professionals who have a deep insight into people and a healthy social common sense in addition to the basic competence in exercising legal practices based on the theory and knowledge of law. The school works on cultivating a strong sense of ethics and sense of justice to produce law practitioners who are, among others, trusted by the public and have a comprehensive knowledge of corporate compliance. This Law School takes full advantage of the integrated facility and diversity of an all-around university to pave the way for students in order to become professionals in specialized legal fields such as medical, environmental, and intellectual property law.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

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### 法務専攻 | Advanced Legal Studies





理論と実務が密接に連携した双方向教育を展開し、法 律基本科目の十分な理解,法律実務科目の修得の上 に, 多様な法的問題に柔軟に対応でき, 法化社会の実 現に資する専門性の高い法曹を養成する。

また、実務家としての力を高めるために法律実務基礎 科目を重視するなど、カリキュラムに工夫を凝らし、基 礎から応用まで安心して学べる環境を整えている。さ らに,有職者が法科大学院修了資格を修得できるよ う, 夜間と土曜日も授業を開講する昼夜開講を行って いる。

This major offers an interactive education closely linked with the theory and practice of law in order to develop legal professionals with a high level of specialization who can flexibly handle various practical legal issues and contribute to the realization of a law-oriented society once completed the course of basic and practical legal subjects at the school.

This major provides a comprehensive curriculum — for example, emphasizing the basic subjects of legal practice in order to improve the competence of a legal practitioner. It also provides an optimal environment that enables students to learn all legal matters from the basics of law to the application of law with confidence. Also evening courses that provide classes at night and on Saturdays are available so that working members of society can acquire the qualifications of Juris Doctor while keep on working during daytime in mid-week.



## **Graduate School of** Intellectual Property

知的財産の創造・保護及び活用という知的創造サイクルの好循環に貢献する高度な知的財産人材の育成が求め られていることに対応し、知的財産法等の法律分野をはじめとして経営分野、産業技術分野等の専門知識と実践 スキルを教育研究し, 自ら考え, 自ら学び, 自ら道を拓く精神を持ち, 産業界の要請に応えて自らのキャリアを開拓 し,国際的に活躍できる知的財産人材を養成する。

There is a high demand for intellectual property rights-related top-class professionals who can contribute to upholding a constructive intellectual property creation cycle that enables intellectual property (new technology or design) to be created, protected, and utilized properly. To respond to this demand, the Graduate School of Intellectual Property enables students to get an education and conduct researches on specialized knowledge and practical skills in legal fields such as intellectual property laws as well as the business management field and industrial technology field. This graduate school produces highly professional human resources educated in intellectual property rights who develop the mindset to think for themselves, learn by themselves, and formulate their own way; who can develop their own careers to meet the various demands of the industrial sector; and who can take on an active role in the international stage.

研究者情報は下記のURLをご参照ください | Researchers' information is the following URL.

http://kenkyu-web.cin.nihon-u.ac.jp/scripts/websearch/

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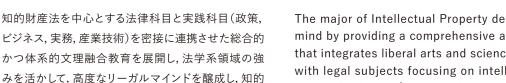
2-3-1 Misaki-cho, Chiyoda-ku, Tokyo, 101-8375 +81-3-5275-8502





### 知的財産専攻 Intellectual Property





The major of Intellectual Property develops a high-level legal mind by providing a comprehensive and systematic education that integrates liberal arts and sciences in a close association with legal subjects focusing on intellectual property law and practical subjects (for example government policies, corporate issues, judicial practices, and industrial technologies) and taking full advantage of the strong points in matters of law. This major produces highly professional human resources related to intellectual property rights who can provide support for creating a new technology or design associated with intellectual property, and can contribute to the protection and utilization of intellectual properties. This course also develops intellectual property management professionals who can contribute to the innovation of other new technologies or designs by fully utilizing intellectual property as a business resource.

財産の創造を支援し、知的財産の保護・活用に貢献で

きる知的財産専門人材を養成するとともに,知的財産

を経営資源として活用し、イノベーションに寄与できる

知的財産マネジメント人材を養成している。

### **ADMISSIONS INFORMATION**

## 入試情報

各大学院の入試に関する問い合わせ(資料請求,入学試験要項の入手方法等)は, 各研究科ページ記載の連絡先にお問い合わせください。

For information about the entrance examination of each Graduate School, please inquire at the contact office for each Graduate School (ask for reference documents and admission guide, etc.).

#### 外国人留学生入試について

#### **About the International Student Entrance Examination**

入試の詳しい情報に関しては、本学のホームページをご覧ください。 また、外国人留学生の入学試験要項は、下記のURLからダウンロードいただけます。

For details about the entrance examination, visit the Nihon University website. You can download the international students' admission guide at the URL below.

外国人留学生入学試験要項のダウンロードURL ▼ Application Guide on International Student Entrance Examination http://www.nihon-u.ac.jp/admission\_info/application/international

#### ◆研究生・聴講生・科目等履修生について

- 一部の研究科に限り研究生・聴講生・科目等履修生の募集を行う場合があります。これらの試験の実施の有無並びに詳細については希望する研究科にお問い合わせください。
- ◆留学生別科,入学後の日本語再教育について 本学では別科の設置はありません。
- ◆医学研究科, 歯学研究科, 生物資源科学研究 科, 獣医学研究科, 薬学研究科, 総合社会情 報研究科, 法務研究科(法科大学院)希望者に ついて

外国人留学生に対する特別選考はありません。詳細 は各研究科にお問い合わせください。 About research students, audit students, and special register students (or credited auditors)

In some cases, Graduate Schools enroll new research students, audit students, and special register students (or credited auditors). For information about whether or not this requires an entrance examination and other details, please inquire at the contact office of the Graduate School you want to enter.

◆About Japanese language and culture programs for international students, and continuation of Japanese language education after enrollment

Nihon University does not have a Japanese language and culture program for international students.

◆International students seeking admission to the Graduate School of Medicine, Graduate School of Dentistry, Graduate School of Bioresource Sciences, Graduate School of Veterinary Medicine, Graduate School of Pharmacy, Graduate School of Social and Cultural Studies, or Law School

Nihon University does not have a special admission program for international students. For details, please inquire at the contact office of each Graduate School.

#### ●お問い合わせ先

#### 日本大学 入学課

〒102-8275 東京都千代田区九段南4-8-24 TEL:03-5275-8311

#### ■Contact

#### Nihon University Administration Office

4-8-24, Kudan-Minami, Chiyoda-ku, Tokyo 102-8275 JAPAN Phone:+81-3-5275-8311

### 2016年度入学者納入金一覧 Tuition and Fees

初年度納入金額 修業年限納入総額

大学院 **Graduate School** 

大学院		<b>†</b>	刃年度納入金額	
Graduate School			First Year Student Tuition	Total fee amount for university until graduation
法学研究科	博士前期	Master Program	930,000	1,660,000
法字研究科 Graduate School of Law	博士前期政治学専攻1年コース	Master Program Political Science (1-year course)	1,200,000	1,200,000
	博士後期	Doctor Program	930,000	2.390.000
차/ BB 24.7T rbs 조기	博士前期	Master Program	930,000	1,660,000
新聞学研究科 Graduate School of Journalism and Media	博士後期	Doctor Program	930,000	2,390,000
	博士前期教育学専攻	Master Program Education	•	
文学研究科 Graduate School of Literature and Social Sciences			945,000	1,690,000
	博士前期心理学専攻	Master Program Psychology	990,000	1,780,000
	博士前期その他	Master Program Other majors	930,000	1,660,000
	博士後期教育学専攻	Doctor Program Education	945,000	2,435,000
	博士後期心理学専攻	Doctor Program Psychology	990,000	2,570,000
	博士後期その他	Doctor Program Other majors	930,000	2,390,000
総合基礎科学研究科	博士前期	Master Program	1,280,000	2,360,000
Graduate School of Integrated Basic Sciences	博士後期	Doctor Program	1,280,000	3,440,000
経済学研究科 Graduate School of Economics	博士前期	Master Program	1,100,000	2,000,000
	博士後期	Doctor Program	1,100,000	2,900,000
商学研究科 Graduate School of Business Administration	博士前期	Master Program	930,000	1,660,000
	博士後期	Doctor Program	930,000	2,390,000
芸術学研究科 Graduate School of Art	博士前期文芸学専攻	Master Program Literary Arts	1,040,000	1,880,000
	博士前期映像芸術専攻	Master Program Image Arts	1,180,000	2,160,000
	博士前期造形芸術専攻	Master Program Fine Arts and Design	1,200,000	2,200,000
	博士前期音楽芸術専攻	Master Program Musical Arts	1,220,000	2,240,000
	博士前期舞台芸術専攻	Master Program Performing Arts	1,150,000	2,100,000
	博士後期	Doctor Program	1,100,000	2,900,000
国際関係研究科 Graduate School of International Relations	博士前期	Master Program	1,150,000	2,100,000
	博士前期1年コース	Master Program (1-year course)	1,500,000	1,500,000
	博士後期	Doctor Program	1,100,000	2,900,000
理工学研究科 Graduate School of Science and Technology	博士前期地理学専攻	Master Program Geography	1,070,000	1,940,000
	博士前期数学専攻	Master Program Mathematics	1,290,000	2,380,000
	博士前期その他	Master Program Other majors	1,330,000	2,460,000
	博士後期地理学専攻	Doctor Program Geography	1,070,000	2,810,000
	博士後期数学専攻	Doctor Program Mathematics	1,170,000	3,110,000
	博士後期その他	Doctor Program Other majors	1,210,000	3,230,000
4. 女子兴可南公	博士前期	Master Program	1,210,000	2,360,000
生産工学研究科 Graduate School of Industrial Technology	博士後期	Doctor Program	, ,	
			1,210,000	3,230,000
工学研究科	博士前期	Master Program	1,280,000	2,360,000
Graduate School of Engineering	博士後期	Doctor Program	1,210,000	3,230,000
医学研究科 Graduate School of Medicine	博士	Doctoral Program	1,400,000	3,500,000
歯学研究科 Graduate School of Dentistry	博士	Doctoral Program	1,400,000	3,500,000
松戸歯学研究科 Graduate School of Dentistry at Matsudo	博士	Doctoral Program	1,400,000	3,500,000
生物資源科学研究科 Graduate School of Bioresource Sciences	博士前期生物資源経済学専攻	Master Program Bioresource Economics	1,000,000	1,800,000
	博士前期その他	Master Program Other majors	1,200,000	2,200,000
	博士後期生物資源経済学専攻	Doctor Program Bioresource Economics	1,000,000	2,600,000
	博士後期その他	Doctor Program Other majors	1,200,000	3,200,000
獣医学研究科 Graduate School of Veterinary Medicine	博士	Doctoral Program	1,250,000	4,400,000
薬学研究科 Graduate School of Pharmacy	博士	Doctoral Program	1,300,000	3,100,000
総合社会情報研究科 Graduate School of Social and Cultural Studies	博士前期	Master Program	995,000	1,790,000
	博士後期	Doctor Program	950,000	2,450,000
法務研究科	専門職学位(法学既修者2年制)	Professional Degree Program Law Kishu (2-year course)	1,330,000	2,410,000
五務如九件 Law School	専門職学位(法学未修者3年制)	Professional Degree Program Law Mishu (3-year course)		3,490,000
知的財産研究科			, ,	
Graduate School of Intellectual Property	専門職学位	Professional Degree Program	1,200,000	2,200,000

- 1. 金額の単位は円。
- 2. 日本大学校友会準会員会費を毎年1万円納入。 また,修了年度に正会員会費初年度分を1万円納入。
- 3. 研究科によっては、後援会費または維持会費を毎年1~4万円納入。 詳細は、それぞれの研究科から通知します。

- $1. \ \mbox{The amounts shown in the table are in Japanese yen.}$
- 2. An annual fee of 10,000 yen is required for the Alumni Association (associate member) of Nihon University. A further annual fee of 10,000 yen is required for the Alumni Association (official member) of Nihon University in the fiscal year of completing Graduate School.
- 3. Students may be required to pay annual fees ranging from 10,000 yen to 40,000 yen for the Supporters' Association or other support organizations depending on the Graduate School. You will be notified of the details by each school.



#### 日本大学 学務部入学課

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