Successful road for graduation (general schedule)

In case of a student enrolling in April		Taking credits (credits)	Events and mission	Dissertation work under supervisor
1st year	1st semester (Apr to Sep)	Lecture (2)	Apr: Entrance ceremony	Research activity
	2nd semester (Oct to Mar)	Lecture (2)	Feb: Progress report and presentation	Presentations at academic conference
2nd year	3rd semester (Apr to Sep)	HS training (2)		
	4th semester (Oct to Mar)	HS study 1 (2)	Feb: Progress report and presentation	Submissions of paper(s) to academic journal
3rd year	5th semester (Apr to Sep)	HS study 2 (2)		
	6th semester (Oct to Mar)		Oct: Submission of dissertation Nov: Preliminary dissertation examination Jan: Final submission of dissertation Jan-Feb: Final dissertation examination Mar: Degree Conferral Ceremony	Writing a dissertation

Notes: 1) All lectures and dissertation works will be carried out in English 2) Students have to take 10 credits at least before graduation. 3) All or parts of the dissertation have to be accepted or published as academic paper(s)

Professors

If you are interested in applying for this course, you are required to contact a faculty member of our course and ask him/her to be your supervisor prior to your application. The list of our faculty members is shown on our web page at http://www.hs.design.kyushu-u.ac.jp/en/contents/professor.php

Section	Name	Research Area (research keywords)
Physiological Anthropology	Shigeki Watanuki	Kansei Science (physiology of human sensibility and emotion), Physiological Anthropology
	Takafumi Maeda	Environmental Ergonomics, Environmental Physiology, Physiological Anthropology
	Satoshi Muraki	Ergonomics, Exercise Physiology (assisting devices, care prevention, universal design, motion analysis, gait, usability, elderly)
	Chihiro Hiramatsu	Evolutionary Biology, Evolution of Color Vision
	Takayuki Nishimura	Physiological Anthropology (Environmental adaptation, Physiological variation)
	Ping Yeap Loh	Physical Ergonomics, Occupational Therapy
Perceptual Psychology	Hiroyuki Ito	Perceptual Psychology (visual perception, visual illusion)
	Kazuo Ueda	Psychology of Hearing, Cognitive Psychology of Hearing (speech perception, speech analysis, short-term memory, L2 learning, timbre perception, pitch perception, psychophysical measurement of loudness, multivariate analysis of musical signals)
	Shoji Sunaga	Color and Visual Sciences (color vision, color applications, color visual design, visual information processing)
	Gerard B. Remijn	Perceptual Psychology (auditory perception, visual perception, time perception), Brain Science (Electroencephalography)
	Takeharu Seno	Perceptual Psychology (Visual perception, somatosensory perception), Cognitive Psychology (time and number perception)
Applied Mathematics and Computer Science	Hideyuki Takagi	Computational Intelligence (evolutionary computation, interactive evolutionary computation, humanized computational intelligence, human factors, neuro-fuzzy systems)
	Osamu Maruyama	Computational biology and bioinformatics (modeling of biological data, Bayesian inference, machine learning)
	Hiroshi Ito	Physiology (biological clock, circadian rhythms, synchronization, control theory of rhythms, nonlinear dynamics)
	Motohide Seki	Theoretical biology and anthropology (behaviour, population dynamics, ecology, evolutionary game theory)

Admissions

The doctoral program of Human Science International Course has two periods of enrollment in a year (i.e. April and October). Screening of applicants is conducted mainly based on the documents submitted. Oral examination by telephone, internet, or another method will be arranged to evaluate applicants' capabilities for conducting doctoral research and their English capability when necessary. Please check for more detailed information on the following website.

http://www.design.kyushu-u.ac.jp/kyushu-u/english/

Summer School

We hold a summer school program, every summer for graduate school students studying outside of Japan. Those who are eligible and interested in attending our International Course are encouraged to apply. More detailed information is published on the course website.

Kyushu University

Kyushu University is one of Asia's top universities and the top university in west Japan. The total number of students is currently about 19,000. International exchange programs are also greatly encouraged at Kyushu University. At present, there are more than 1,800 international students from about eighty countries studying here.

Location of Campus

The Ohashi campus for the Graduate School of Design is located in the center of Fukuoka city. It is very close to the Fukuoka International airport (about 5km). Fukuoka is a vigorous city in which both modern and traditional styles exist side by side, and it is widely regarded as one of the best places in Asia to live, work, study and have fun.

[Flight Map (March 2019)]

Provided by the City of Fukuoka.

KYUSHU UNIVERSITY

Human Science International Course
Graduate School of Design
Kyushu University

http://www.hs.design.kyushu-u.ac.jp/en/

4-9-1, Shiobaru, Minami-ku, Fukuoka, 815-8540 Japan
Tel: +81-92-553-4400

2020-2021 version

Doctoral Program in English
HUMAN SCIENCE INTERNATIONAL COURSE

Graduate School of Design, Kyushu University, JAPAN

THE HUMANIZATION OF TECHNOLOGY

Research Center for Human Environmental Adaptation

Admission Policy

The objectives of the Human Science International Course are to educate students who are motivated to conduct scientific research on human characteristics, and comprehensively propose the best environments, products, and information for humans.

The Physiological Anthropology Section provides systematic education and research opportunities to design safe and comfortable products, and a high-quality living environment through measuring human morphological and physiological characteristics.

The Perceptual Psychology Section provides systematic education and research opportunities to understand how human perceptual systems obtain information from products and living environments, and interpret the meaning of this information.

The Applied Mathematics and Computer Science Section provides systematic education and research opportunities to design optimum products and a high-quality living environment based on applied mathematics and engineering to analyze and process human physiological and/or psychological data.

We welcome any student who has strong motivation and an inquiring mind to the Human Science Course.

3 Sections of Human Science International Course

Those who are interested in and have an aptitude for pursuing the foundation for human characteristics-based designs, through empirical and theoretical means. Developing the ability to understand human characteristics deeply and comprehensively in order to propose best environments, products, and information for humans.

01 Physiological Anthropology

Our facilities are capable of 3D motion analysis of daily activities (e.g. bathing, using the toilet, eating meals, and walking).

Develops the ability to understand human physiological characteristics deeply and apply that understanding to practical situations.
The Physiological Anthropology Section provides systematic education opportunities to examine the impacts of products and living environments on physiological responses of the human central nervous system, autonomic nervous system, endocrine system and immune system, as well as to assess physiologically the user-friendliness of products and living environments.

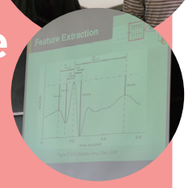
02 Perceptual Psychology

Students conduct a sound hearing experiment in a soundproof chamber, while checking physical characteristics of the sound using a measuring instrument.

Develops the ability to understand human perceptual and psychological characteristics deeply and apply that understanding to practical situations.
The Perceptual Psychology Section provides systematic education opportunities to understand what kinds of information are presented to human perceptual systems by products and living environments, and how human perceptual systems deal with the information.

03 Applied Mathematics and Computer Science

Scene from a seminar designed to develop abilities to acquire technology and knowledge, prepare materials, make presentations, and make arguments.



Develops the ability to understand human characteristics deeply by taking applied mathematics and engineering approaches, and apply that understanding to practical situations.
The Applied Mathematics and Computer Science Section provides students with systematic education opportunities, to enable them to carry out data processing and mathematical analysis of data on human characteristics, and based on the obtained results, to formulate human characteristics models and design optimum living environments.

Subjects

01 Physiological Anthropology	02 Perceptual Psychology	03 Applied Mathematics and Computer Science
▶ Human Sensibility and Emotion	▶ Visual Perception	▶ Computational Intelligence
▶ Advanced Environmental Ergonomics	▶ Auditory Perception	▶ Mathematical Modeling in Biology
▶ Advanced Ergonomics for All Ages and Abilities	▶ Time Perception	▶ Advanced Computational Statistics
▶ Assistive Technology and Science for Life Activity	▶ Advanced Color Science	▶ Advanced Machine Learning
▶ Advanced Visual Physiology		
▶ Advanced Auditory Physiology		

Common Subjects

▶ Advanced Human Science A ▶ Advanced Human Science B ▶ Advanced Scientific English

Doctoral Program

▶ HS Training ▶ HS Project Study I ▶ HS Project Study II ▶ HS Seminar III

Researchers and designers who can understand human characteristics and apply that knowledge in practical situations

- Employees of research and development departments, administrative departments, design departments of companies, system engineers, etc.
- Producers and engineers in the mass media
- Researchers at research institutes or testing centers of local public organizations, etc.
- Researchers at universities and national research institutes, etc.

Recent graduates

Lulu Purwaningrum (Indonesia)
Lecturer, Faculty of Arts and Design, Sebelas Maret University, Indonesia
Dissertation title
Redesigning Indonesian classroom furniture to ensure ease of transport by elementary school students

Ping Yeap Loh (Malaysia)
Assistant Professor Faculty of Design, Kyushu University, Japan
Dissertation title
Effects of wrist and fingers postures on the median nerve at proximal carpal tunnel

Ilham Bakri (Indonesia)
Lecturer, Department of Industrial Engineering, Faculty of Engineering, Hasanuddin University, Indonesia
Dissertation title
Evaluation of heat strain on firefighters wearing personal protective equipment

Irma Nur Afiah (Indonesia)
Lecturer, Faculty of Industrial Technology, Universitas Islam Indonesia, Indonesia
Dissertation title
Age-specific and sex-related changes of gait in the Japanese elderly

Yan Pei (China)
Associate Professor, School of Computer Science and Engineering, The University of Aizu, Japan
Dissertation title
Study on efficient search on evolutionary computation

Titis Wijayanto (Indonesia)
Lecturer, Department of Mechanical and Industrial Engineering, Universitas Gadjah Mada, Indonesia
Dissertation title
Thermoregulatory responses and cognitive performance during passive heating in Japanese and tropical Asian males

Rachapoom Punsongserm (Thailand)
Faculty of Fine and Applied Arts, Thammasat University, Thailand
Dissertation title
Approach to design a Thai universal design font

Jinghong Xiong (China)
Retained Associated Professor Faculty of Economy and Management, Xiamen University of Technology, China
Dissertation title
Thumb performance and movement coverage on smartphone touchscreens

Nursalbiah Nasir (Malaysia)
Senior Lecturer, Universiti Teknologi MARA Malaysia, Faculty of Mechanical Engineering, Malaysia
Dissertation title
Effects of assistive force on muscle activities during isometric elbow flexion

Varunyu Vorachart (Thailand)
Lecturer, Dept. of Multimedia Technology and Animation School of Informatics, Walailak University, Thailand
Dissertation title
Study on computational intelligence approaches for design of game strategies

Jee-Won Choi (South Korea)
Post-doctoral researcher, Kyushu University, Japan
Dissertation title
Motor control characteristics of muscle force release for external assistance

Etika Vidyarini (Indonesia)
Assistant lecturer, Interior Design Department, Bandung Institute of Technology, Indonesia
Dissertation title
Effects of air temperature step changes on physiological responses and mental task performance in Indonesian and Japanese subjects

Yesaya Tommy Paulus (Indonesia)
Assistant Professor, STMIK Dipanegara Makassar, Indonesia
Dissertation title
Research on eye-gaze based input for visual password authentication.

Jun Yu (China)
Assistant Professor, Institute of Science and Technology, Niigata University, Japan
Dissertation title
Study on acceleration for evolutionary computation

Wen Liang Yeoh (Malaysia)
Post-doctoral researcher, Kyushu University, Japan
Dissertation title
Gait adjustments to assistive forces from a smart walker

Joao Paulo Cabral (Brazil)
Dissertation title
Auditory icons: research on their design and physical characteristics

Shaoying Hu (China)
Lecturer, College of Sericulture, Textile and Biomass Sciences, Southwest University, China
Dissertation title
Basic studies on thermal ergonomics of clothing for human comfort and performance

Josefa Angelie Revilla (Philippines)
Assistant Professor, Department of Industrial Engineering, University of the Philippines, Los Baños
Dissertation title
Effects of short-term exposure to hand-arm vibration on physiological responses and hand functions

Current students

Mariano Lizbeth Ambrocio (Philippines)
Research title
Hand-arm posture assessment tool for detecting risk of musculoskeletal disorders

Jhang Geng-Yan (Taiwan)
Research title
Time-frequency resolution necessary for melody recognition

Sant (Indonesia)
Research title
Intelligibility of English mosaic speech: Influence of manipulating mosaic block duration

Guo Xuanru (China)
Research title
Various aspects of Vection

Ilham Priadythama (Indonesia)
Research title
Human-machine interaction in a power-assisted hand exoskeleton

Natalia Postnova (Russia)
Research title
Audio-visual interaction and working memory

Shimeng Liu (China)
Research title
Pause duration influences impressions of speech style in English public speaking: Comparison between native and non-native speakers.

Erwan Linda Studiyanti (Indonesia)
Research title
Impact of aging in Indonesian elderly women's hand on cookingactivity at home

Sora Shin (South Korea)
Research title
Individual differences in physiological responses to a cold environment and hypobaric hypoxia

Teerapapa Leucha (Thailand)
Research title
Exploration on backward walking for balance and mobility assessment

Quanye Qi (China)
Research title
Ergonomics study on back and seat supports for lower back discomfort

Yixin Zhang (China)
Research title
Acoustic analysis of English consonant clusters

Keneth Sedilla (Philippines)
Research title
Individual differences in the control of human behavioral thermoregulation in a hot and humid environment