

AY 2023

Graduate school of Engineering Enrollment Guidelines

Master's programs

Doctoral programs

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2023 Academic Year Calendar

<<Fall Semester>>

September 19 (Tue)	Fall Semester begins
October 9 (Mon) November 3 (Fri) and 23 (Thu)	Classes will be held despite the national holiday
October 27 (Fri) - 29 (Sun)	School Festival (Ryubi-sai)
December 26 (Tue) - January 4 (Wed)	Winter Vacation
January 15 (Mon)	Last day of Fall Semester
March 31 (Thu)	School Year Ends

* October 27: Classes will be canceled in order to prepare for the School Festival

* "Intensive lectures" may be held in addition to regular classes.

[Educational Affairs Center (Engineering)] (South Building, 1st floor)

< Hours > 8:30 - 17:00

The above schedule applies as a general rule, but may change in some cases. The school is closed on Saturdays, Sundays, national holidays, during entrance examinations, summer and winter vacation, and New Year holidays.

Education Policies for the Master's and Doctoral Programs at the Graduate School of Engineering

1. Educational Objectives

To develop engineers and researchers who can contribute to the creation of next-generation industries and the creation of new value through the acquisition of and deepening of interest in a global society. Students should obtain advanced, expert knowledge associated with the specialized fields essential for next-generation electromechanical systems.

2. The Three Policies [Diploma Policy]

Master's Program

For the "Master of Engineering" degree to be granted, Master's Program students are required to study for the designated period, take subjects prescribed by the Master's Program established in accordance with the Graduate School of Engineering Curriculum Policy, obtain the designated number of credits (34 credits), and pass a review and examination of their master's thesis. The review and examination of their Master's thesis will be based on whether students have achieved the following:

1. The student has acquired a deep knowledge while relating their own research to other fields, and can utilize this knowledge to solve problems in a global society while focusing on any of the fields of "Materials", "Energy", "Information", or "Systems", within the scope of mechanical and electrical systems engineering.
2. The student is able to collect the necessary information on the research topic they have independently established using the appropriate methods, such as literature research and experiments, with a focus on any of the fields of "Materials", "Energy", "Information", or "Systems" which constitute the field of mechanical and electrical systems engineering. Then, they must use this information while correlating it with knowledge of other fields and logically, critically, and objectively analyzing the outcomes.
3. The student possesses a deep knowledge of the field of mechanical and electrical systems engineering and can discuss these topics with others in English.
4. The student can logically construct and express their own ideas through a multi-perspective approach utilizing the deep knowledge, skills, and experience acquired in any field of mechanical and electrical systems engineering.

Doctoral Program

For the "Doctor of Engineering" degree to be granted, Doctoral Program students are required to study for the designated period, take subjects prescribed by the Doctoral Program established in accordance with the Graduate School of Engineering Curriculum Policy, obtain the designated number of credits (36 credits), and pass a review and examination of their doctoral thesis. The review and examination of their Doctoral thesis will be based on whether students have achieved the following:

1. The student has further specialized their knowledge in one of the fields of "Materials", "Energy", "Information", or "Systems", in the field of mechanical and electrical systems engineering, as well as an in-

depth knowledge of the other 3 fields. They should be able to utilize that knowledge to solve the problems faced by global society while correlating the 4 fields in an integrated, comprehensive manner.

2. The student is able to collect necessary information using appropriate methods such as literature research and experiments in relation to the research topic they have set for themselves, and should be able to utilize the knowledge they have specialized in any of the 4 fields ("Materials", "Energy", "Information", or "Systems") in an integrated way with the other 3 fields to concretely identify problems through objective analysis and logical and critical considerations, then creatively achieve solutions to those problems in the general field of mechanical and electrical systems engineering.
3. The student can express their opinions and discuss them with others in English using the deep knowledge they have obtained in the field of mechanical and electrical systems engineering.
4. The student can logically construct and express their own ideas through a multi-perspective approach by utilizing their knowledge, skills, and experience in the field of mechanical and electrical systems engineering.

[Curriculum Policy]

Master's Program

In order to develop graduates with the capabilities listed in the Diploma Policy, the educational program will be implemented based on the following policies:

1. This course aims to cultivate students' ability to explore truth from various angles in relation to knowledge in other fields by allowing them to undertake core courses and advanced courses related to advanced specialization, mainly associated with either "Materials", "Energy", "Information", or "Systems" in mechanical and electrical systems engineering.
2. Students will be able to develop independent abilities to take action and solve problems based on expert knowledge through Advanced Exercise and Research courses related to their research fields centered on the fields of "Materials", "Energy", "Information", or "Systems" which constitute mechanical and electrical systems engineering.
3. Students will undertake Scientific English courses and develop their communication skills related to their specialized field, such as oral presentations in English, reading documents, writing papers, and critically evaluating papers.
4. In parallel with the undertaking of Scientific English courses, core courses, and advanced courses for the development of specialized knowledge, students will learn in Advanced Exercise and Research courses linked to the development of communication, collaboration, problem-finding, and leadership skills.

Doctoral Program

In order to develop graduates with the capabilities listed in the Diploma Policy, the educational program will be implemented based on the following policies:

1. Students will be required to acquire advanced expertise in the 4 fields of mechanical and electrical systems engineering: "Materials", "Energy", "Information", and "Systems", and develop the ability to explore truths from multiple angles through comprehensive scholarship that integrates the 4 fields.
2. Students will study one field of expertise in depth while simultaneously deepening their knowledge in the 3 related fields to acquire the ability to independently identify and creatively solve issues based through Advanced Exercise and Research courses related to the field of mechanical and electrical systems engineering.
3. Students will undertake Scientific English courses and develop their communication skills related to their specialized field, such as oral presentations in English, reading documents, writing papers, and critically evaluating papers.
4. In parallel with the undertaking of Scientific English courses and specialized courses in mechanical and electrical systems engineering for the development of specialized knowledge, students will learn in Advanced Exercise and Research courses linked to the development of communication, collaboration, problem finding, and leadership skills.

[Admission Policy]

Master's Program

Enrollees to the Master's Program should be graduate students from a 4-year or more undergraduate course who understand the content of the Graduate School's curriculum. They should have basic engineering skills and understand how to use basic engineering techniques to solve problems and apply cutting-edge technologies. Additionally, they should have the ability to play an active role in the international community by proactively tackling issues that enrich society while considering the global environment. Additionally, enrollees should be individuals who:

1. Wish to tackle issues that will benefit future global society;
2. Possess basic knowledge in related fields to both mechanical engineering and electrical engineering or the fields of mechanical and electrical systems engineering; and
3. Wish to approach related fields to both mechanical engineering and electrical engineering or the fields of mechanical and electrical systems engineering from scientific and academic viewpoints, and challenge issues by gaining deeper expertise.

Doctoral Program

Enrollees to the Doctoral Program should be individuals who have the ability to lead a more systematic and multifaceted approach to problem-solving by further enhancing the technical foundation and research abilities they cultivated during their master's Program studies, thereby improving their comprehensive understanding of science and technology systems and their ability to interpret and transmit new information. Additionally, enrollees should be individuals who:

1. Wish to tackle issues that will benefit future global society;
2. Possess a master's degree or equivalent academic certification and have specialized knowledge in related fields to both mechanical engineering and electrical engineering or the fields of mechanical and electrical systems engineering.
3. Are willing to approach related fields to both mechanical engineering and electrical engineering or the fields of mechanical and electrical systems engineering from scientific and academic viewpoints, deepen their expertise, and challenge complex and multifaceted problems.

Objectives and Characteristics of Education and Research at the Graduate School of Engineering

1. Educational and Research Goals

The purpose of the Graduate School's programs is to provide engineering and research knowledge to scholars who possess exceptional problem-identifying abilities that take into account the trends of various academic fields and social needs. Furthermore, the programs seek to impart advanced knowledge in specialized fields which will be indispensable for the creation of the next generation of mechanical and electrical systems, as well as the creation of next-generation industries and concepts leading to "new value". In addition, "ORT" (On-the-Research Training) will be provided in cutting-edge research facilities led by internationally renowned academics.

In the Master's Program, students will acquire the qualities of a professional, highly qualified engineer who can contribute to the creation of next-generation industries and "new value" by acquiring advanced knowledge in specialized fields. This knowledge is essential for next-generation mechanical and electrical systems while also connecting those initiatives in other fields. In the Master's Program, students focus on one of the 4 fields that constitute the field of mechanical and electrical systems engineering: "Materials", "Energy", "Information", or "Systems".

In the Doctoral Program, students focus on studying one of the 4 fields that constitute mechanical and electrical systems engineering: "Materials", "Energy", "Information", or "Systems". At the same time, they will deepen their knowledge of the other 3 fields, thereby broadening their understanding and increasing their high-level specialization as cross-disciplinary experts who possess exceptional problem-identifying abilities that take into account the trends of various academic fields and social needs. Through the creation of new concepts, these scholars will aim to become researchers who can contribute to the creation of next-generation industries and the creation of "new value".

2. Concepts and Characteristics of Curricula Organization

Master's Program

Based on their academic achievements in their undergraduate studies, Master's Program students will aim at achieving a high level of ethics, and expertise in one of the 4 fields of mechanical and electrical systems engineering: "Materials", "Energy", "Information", or "Systems", and a broad understanding of the other 3 fields. Master's Program courses are divided into 3 categories: "Specialized Courses", "Scientific English Courses" and "Research Activity Courses".

(1) Specialized Courses

Specialized courses are divided into core courses and advanced courses. In both the core and advanced courses, "Materials", "Energy", "Information", or "Systems" will form the main subject, and all courses will contain content that straddles the other fields to foster multi-perspective thinking.

Core courses consist of basic specialized knowledge and consist of 6 courses: "Advanced Mechanical Electrical Systems engineering", "Physics and Chemistry of Electronic Materials", "MEMS Technology and Materials", "Wind Power Technology", "Computer Mathematics for Graduate Engineers", and "Advanced Robotics". Advanced courses are designed to deepen students' understanding of their area of specialization, and consist of 6 subjects: "Advanced Computational Materials Science," "Enabling Technologies of Solid-State Power Conversion," "Computer-Aided Design of Semiconductor Power Devices and Modules," "Scripting Language and Virtual Machines," "Theory of System Design", and "Remote Sensing".

(2) Scientific English Courses

"Scientific English I & II" will be established as mandatory subjects in order to develop communication skills in specialized fields such as oral presentations in English, reading of scientific papers, thesis writing, and criticism.

In "Scientific English I", which is offered in the spring semester of the first year, students will acquire presentation skills to effectively give oral presentations and express opinions. In "Scientific English II", which is offered in the fall semester of the first year, students will acquire the writing skills necessary for writing theses and scientific reports.

(3) Research Activity Courses

Subjects related to research fields are classified into Fundamental Research and Practical Research, and all subjects are compulsory. "Advanced Exercise I – IV for Master's Program" are courses designed to help students acquire basic problem-solving skills by reading theses and acquiring specialized knowledge related to their research themes. "Advanced Research I – IV for Master's Program" are courses in which students practice problem-solving through guidance on the preparation of a master's thesis and guidance on experiments and practical training based on their research themes.

By taking the curriculum described above, the university aims to cultivate graduates who possess a high level of expertise and broad insight that have been acquired in each field of mechanical and electrical systems engineering, and who are qualified as highly skilled engineers capable of thinking in a multifaceted manner. At the same time, the university aims to develop graduates who can combine the ability to solve goals acquired by enhancing their expertise with flexible thinking and planning ability that can respond to changes in society by acquiring broad insight.

Doctoral Program

Based on the results of studies pursued in the Master's Program, Doctoral Program students will rapidly analyze trends in advanced academic information and advanced technology, set research subjects from a unique perspective, and aim to carry out research actively. As with the first semester of the Master's Program, the subjects offered are divided into 3 categories: "Specialized Courses", "Scientific English Courses", and "Research Activity Courses".

(1) Specialized Courses

Compulsory specialty subjects for the Doctoral Program will focus on either "Materials", "Energy", "Information", or "Systems" with lectures on "Advanced Lecture of Mechanical and Electrical Systems (Materials Science)", "Advanced Lecture of Mechanical and Electrical Systems (Energy Engineering)", "Advanced Lecture of Mechanical and Electrical Systems (Information Engineering)", and "Advanced Lecture of Mechanical and Electrical Systems (Systems Engineering)". In addition to delving deeply into the subject of cutting-edge topics related to advanced science and technology, this course also refers to the relationship with the other 3 fields and teaches students the ability to solve problems by interrelating the 4 fields as comprehensive parts of mechanical and electrical systems engineering. Students can also take Specialized Courses offered in the Master's Program (core and advanced courses excluding "Advanced Mechanical Electrical Systems engineering"), and acquire specialized and cutting-edge knowledge in all fields that constitute the field of mechanical and electrical systems engineering, including the field to which they belong.

(2) Scientific English Courses

"Scientific English III & IV" will be offered as compulsory subjects in order to further improve communication skills in specialized fields such as oral presentation, essay reading, essay writing, and stating opinions in English.

In "Scientific English III", which is offered in the spring semester of the first year, students will acquire presentation skills to effectively present oral presentations and express opinions at international conferences. In "Scientific English IV", which is offered in the spring semester of the second year, students will acquire the writing skills necessary for writing theses.

(3) Research Activity Courses

As in the case of the Master's Program, the subjects related to the research fields in the Doctoral Program will consist of Fundamental Research and Practical Research as compulsory subjects, and will be offered as subjects that will help students to solve their own topics of study. "Advanced Exercise I – VI for Doctoral Program" are courses to acquire problem-solving methods through reading dissertations on research themes and acquiring specialized knowledge. "Advanced Research I – VI for Doctoral Program" are courses in which advanced problem-solving is practiced through guidance on the preparation of Doctoral theses and guidance on experiments and practical training based on individual research themes.

By taking the curriculum described above, we will build a foothold for researchers who have a high level of expertise and broad insight that they have acquired in each field of mechanical and electrical systems engineering, who are qualified as highly skilled engineers who can think in multiple ways, who have a high level of expertise and problem-finding ability as a comprehensive field of mechanical and electrical systems engineering, and who can create next-generation industries and new concepts and values.

3. Course Numbering

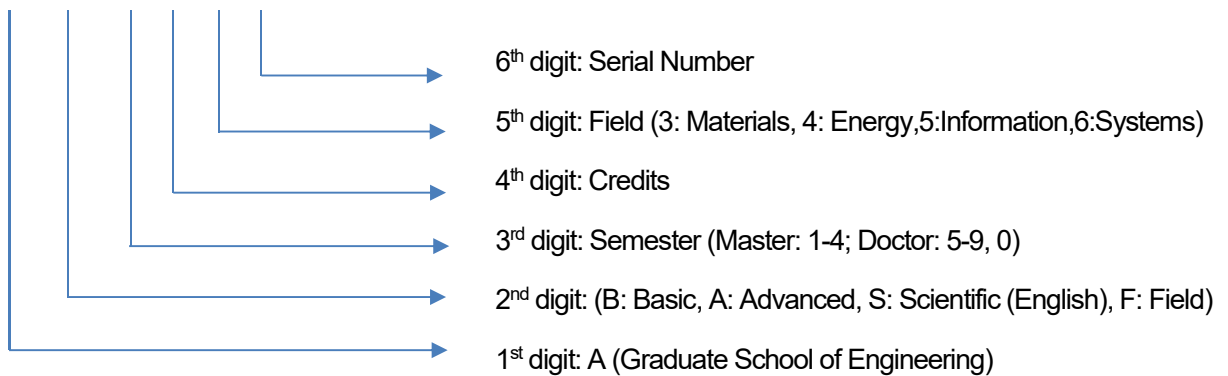
(1) What is course numbering?

Course numbering is a system in which all courses offered by KUAS are given an appropriate number and are classified to indicate the level and order of study in order to systematize the curriculum. The "A" in front of the numbers indicates that it is a course in the Graduate School of Engineering.

(2) Course Numbering Structure

The course number consists of the following 6 alphanumeric characters.

AB1231



Curriculum and Completion Requirements for Master's Program

* Master's Program Completion Requirements

Students must be enrolled in the Master's Program for at least two years, acquire at least 34 credits from the designated subjects, undergo the required research supervision, and pass a review of their master's thesis and the final examination.

Subjects		Completion Requirements
Specialized Courses	Core courses	8 credits or more from 4 subjects Including "Advanced Mechanical Electrical Systems Engineering" (compulsory)
	Advanced courses	6 credits or more from 3 subjects
Scientific English Courses		4 credits from 2 compulsory subjects
Research Activity Courses	Fundamental Research	8 credits from 4 compulsory subjects
	Practical Research	8 credits from 4 compulsory subjects
Subtotal		34 credits or more

* Research Guidance

Students in the Master's Program will belong to one laboratory from their first year until the completion of the Master's Program. Under the guidance of their main supervisor, students create their own research themes and prepare their master's thesis. A research supervision system shall be put in place for the supervision of master's theses, consisting of a main supervisor and several co-supervisors. Thus, the students will receive sufficient research supervision according to their research themes throughout the two years.

The main supervisor will be the research supervisor of the laboratory to which each graduate student applied at the time of admission. The co-supervisors will be selected after consideration of the master's thesis assignment set at the start of the course. Students should actively conduct research on subjects from a creative perspective under the supervision of main and co-supervisors.

*** Master subject List**

List of Master's Courses in the Department of Mechanical and Electrical Systems Engineering, Graduate School of Engineering

Category	Course Number	Course Name	Year	Credits		
				Mandatory	Elective	
Specialized Courses	Core courses	AB 1201	Advanced Mechanical Electrical Systems engineering	1	2	
		AB 1231	Physics and Chemistry of Electronic Materials	1		2
		AB 2232	MEMS Technology and Materials	1		2
		AB 2241	Wind Power Technology	1		2
		AB 1251	Computer Mathematics for Graduate Engineers	1		2
		AB 1261	Advanced Robotics	1		2
	Advanced courses	AA 3233	Advanced Computational Materials Science	2		2
		AA 3242	Enabling Technologies of Solid-State Power Conversion	2		2
		AA 4243	Computer-Aided Design of Semiconductor Power Devices and Modules	2		2
		AA 4252	Scripting Languages and Virtual Machines	2		2
		AA 3262	Theory of System Design	2		2
		AA 4263	Remote Sensing	2		2
Scientific English Courses	AS 1201	Scientific English I	1	2		
	AS 2202	Scientific English II	1	2		
Research Activity Courses	Fundamental Research	AF 1201	Advanced Exercise I for Master's Program	1	2	
		AF 2202	Advanced Exercise II for Master's Program	1	2	
		AF 3203	Advanced Exercise III for Master's Program	2	2	
		AF 4204	Advanced Exercise IV for Master's Program	2	2	
	Practical Research	AF 1211	Advanced Research I for Master's Program	1	2	
		AF 2212	Advanced Research II for Master's Program	1	2	
		AF 3213	Advanced Research III for Master's Program	2	2	
		AF 4214	Advanced Research IV for Master's Program	2	2	

* Thesis Examination and Standards (Master's Thesis)

1 Mid-term Presentation

- (1) Each graduate student must present the progress they have made on their master's thesis at the beginning of the semester they plan to complete the course at the mid-term presentation organized by the Graduate School of Engineering Committee.
- (2) Graduate students who have not made a mid-term presentation cannot submit their master's thesis.

2 Thesis Submission and Review

- (1) The main supervisor (faculty member who will be a chief examiner) of a graduate student who has made mid-term presentations should submit an Application for master's thesis examination (containing the title of the thesis, summary, etc., with 2 faculty members who will be assistant examiners) to the Graduate School of Engineering Committee.
- (2) The Thesis Examination Committee shall consist of three members, one chief examiner and two assistant examiners who shall be elected by the Graduate School of Engineering Committee. The chief examiner shall be the main supervisor, and the two assistant examiners shall be from two of the three different fields from the chief examiner. In addition, it is also possible to select an assistant examiner from outside the university if necessary.
- (3) The Thesis Examination Committee discusses the content of the Application for the master's thesis examination and judges whether or not the master's thesis can be prepared and submitted.
- (4) Graduate students who are permitted to prepare and submit a master's thesis should submit a master's thesis abstract and manuscript to the Graduate School of Engineering Committee.
- (5) The submitted master's thesis will be received by the Dean of the Graduate School of Engineering through discussion by the Graduate School of Engineering Committee, and will be reviewed by the Thesis Examination Committee.

3 Oral Thesis Examination

- (1) Oral examinations will be conducted as the "final exam" listed in Article 8 of the Degree Rules of the University.
- (2) The graduate student who has submitted the master's thesis present the research results and answer questions at the master's thesis defense. The thesis defense will be open to the public.
- (3) In the master's thesis defense, an oral examination is conducted for the graduate student who has submitted the master's thesis by the chief examiner, assistant examiners, and faculty who attend the thesis defense. In the oral examination, the specialized knowledge of the graduate student is examined, as well as whether the graduate student is qualified to grant a master's degree.

4 Determining "Passing" or "Failing"

- (1) The Graduate School of Engineering Committee will determine the advisability of completing the Master's Program after comprehensively examining the content of the master's thesis submitted, the results of thesis defense and oral examinations, and the status of credits acquired (34 units or more).

(2) The examination criteria for the master's theses in this graduate school are as follows:

- Satisfy diploma policy requirements
- Validity, novelty, and originality of research themes and problem settings
- Validity, novelty, and originality of research methods
- Validity of the paper structure
- Validity, novelty, and originality of conclusions
- Contribution to society or academic society
- Presentation of future issues and prospects
- Typography

(3) The evaluation of a master's thesis shall be "passing" or "failing".

(4) In the course of examining master's theses, students shall be rejected if they are found to have fabricated, altered, plagiarized, or committed an inappropriate act that should be equated with any of these acts with the intent to obtain a degree in an improper manner.

(5) The Thesis Examination Committee will prepare an examination report based on the results of the judgment on the propriety of the completion of the Master's Program and report it to the Graduate School of Engineering Committee.

(6) The Graduate School of Engineering Committee reviews the examination report and determines the conferment of a degree upon completion of the Master's Program by a vote of 2/3 or more. The Graduate School of Engineering Committee reports the results to the President in writing and submits the degree to the President. The degree is granted by the president.

5 Retention of Examination Reports and Theses

(1) The Educational Affairs Center shall keep r examination reports prepared by the Thesis Examination Committee.

(2) One (1) master's thesis that has passed the examination shall be retained at the University Library.

Curriculum and Completion Requirements for Doctoral Program

* Doctoral Program Completion Requirements

Students must be enrolled in the Doctoral Program for at least three years, acquire at least 36 credits from the designated subjects, undergo the required research supervision, and pass a review of their doctoral thesis and the final examination.

Subjects	Completion Requirements
Specialized Courses	8 credits or more from 4 subjects incl. the 4 mandatory courses below: "Advanced Lecture of Mechanical and Electrical Systems (Materials Science)" "Advanced Lecture of Mechanical and Electrical Systems (Energy Engineering)" "Advanced Lecture of Mechanical and Electrical Systems (Information Engineering)" "Advanced Lecture of Mechanical and Electrical Systems (Systems engineering)"
Scientific English Courses	4 credits from 2 mandatory subjects
Research Activity Courses	12 credits from 6 mandatory subjects
Fundamental Research	12 credits from 6 mandatory subjects
Practical Research	12 credits from 6 mandatory subjects
Subtotal	36 credits or more

* Research Guidance

Students in the Doctoral Program will belong to one laboratory from the first year to the completion of the Doctoral Program. Under the guidance of the main supervisor, students set their own research themes and prepare their doctoral theses. As with the Master's Program, the doctoral thesis will be guided by a research supervision system consisting of a main supervisor and several co-supervisors, so that students will be able to provide sufficient research supervision according to their research themes throughout the three-year period. The Doctoral Program adopts a method of learning in which students deepen their research by recognizing their goals based on the results of the Master's Program.

The main supervisor will be the research supervisor of the laboratory to which each graduate student applied at the time of admission. The co-supervisors will be selected after consideration of the doctoral thesis assignment is set at the start of the course. Students should actively conduct research on subjects from a creative perspective under the supervision of a main supervisor and co-supervisors.

Doctoral Subject List

List of Doctoral Courses in the Department of Mechanical and Electrical Systems Engineering, Graduate School of Engineering

Course Category	Course code	Course Name	Year Taken	Credits		
				Mandatory	Elective	
Specialized Courses	Materials	AB 1231	Physics and Chemistry of Electronic Materials	1		2
		AB 2232	MEMS Technology and Materials	1		2
		AA 3233	Advanced Computational Materials Science	1		2
		AA 7234	Advanced Lecture of Mechanical and Electrical Systems (Materials Science)	2	2	
	Energy	AB 2241	Wind Power Technology	1		2
		AA 3242	Enabling Technologies of Solid-State Power Conversion	1		2
		AA 4243	Computer-Aided Design of Semiconductor Power Devices and Modules	1		2
		AA 7244	Advanced Lecture of Mechanical and Electrical Systems (Energy Engineering)	2	2	
	Information	AB 1251	Computer Mathematics for Graduate Engineers	1		2
		AA 4252	Scripting Languages and Virtual Machines	1		2
		AA 8254	Advanced Lecture of Mechanical and Electrical Systems (Information Engineering)	2	2	
	Systems	AB 1261	Advanced Robotics	1		2
		AA 3262	Theory of System Design	1		2
		AA 4263	Remote Sensing	1		2
		AA 8264	Advanced Lecture of Mechanical and Electrical Systems (Systems engineering)	2	2	
	Scientific English Courses	AS 7203	Scientific English III	2*	2	
AS 9204		Scientific English IV	3**	2		

Research Activity Courses	Fundamental Research	AF 5205	Advanced Exercise I for Doctoral Program	1	2	
		AF 6206	Advanced Exercise II for Doctoral Program	1	2	
		AF 7207	Advanced Exercise III for Doctoral Program	2	2	
		AF 8208	Advanced Exercise IV for Doctoral Program	2	2	
		AF 9209	Advanced Exercise V for Doctoral Program	3	2	
		AF0210	Advanced Exercise VI for Doctoral Program	3	2	
	Practical Research	AF 5215	Advanced Research I for Doctoral Program	1	2	
		AF 6216	Advanced Research II for Doctoral Program	1	2	
		AF 7217	Advanced Research III for Doctoral Program	2	2	
		AF 8218	Advanced Research IV for Doctoral Program	2	2	
		AF 9219	Advanced Research V for Doctoral Program	3	2	
		AF0220	Advanced Research VI for Doctoral Program	3	2	
* If the student enrolls in fall, Scientific English III will be taken in year 1 instead of 2.						
** If the student enrolls in fall, Scientific English IV will be taken in year 2 instead of 3.						

*** Thesis Examination and Standards (doctoral thesis)**

1 Preliminary Examination

- (1) Each graduate student submits an Application for preliminary examination (containing the title of thesis, summary, etc., 4 Preliminary Examination Committee members) to the Graduate School of Engineering Committee.
- (2) The Preliminary Examination Committee consists of four members, the main supervisor and three belonging to different fields from the main supervisor.
- (3) The preliminary examination shall be based on the review of the application by the supervisors of the graduate student concerned, the confirmation of the progress of the research by the Preliminary Examination Committee, and the evaluation of the research results at present.
- (4) Graduate students who fail the preliminary examination cannot submit their doctoral theses.

2 Thesis Submission and Review

- (1) A graduate student who has passed the preliminary examination submits an Application for doctoral thesis examination (containing the title of thesis, summary, etc., candidates of a chief examiner and four assistant examiners) to the Graduate School of Engineering Committee. The Application for doctoral thesis examination shall be addressed to the Dean of the Graduate School of Engineering and shall be in writing and signed as a document stating that the student will "write a doctoral thesis properly and not conduct research improperly". The selection of the candidate members for the chief examiner and the assistant

examiners described in the Application for doctoral thesis examination requires approval from the main supervisor.

- (2) The Thesis Examination Committee shall consist of five members, one chief examiner, and four assistant examiners, who shall be selected by the Graduate School of Engineering Committee with reference to the candidates submitted by the main supervisor. The chief examiner shall be a faculty member on campus. Three of the assistant examiners shall be faculty members on campus and should respectively belong to three different fields from the chief examiner, and one assistant examiner should be from outside the university. The main supervisor of the graduate student cannot be a chief examiner.
- (3) The Thesis Examination Committee discusses the content of the Application for the doctoral thesis examination and judges whether or not the doctoral thesis can be prepared and submitted.
- (4) The Graduate student who is permitted to prepare and submit a doctoral thesis should submit the doctoral thesis abstract and manuscript to the Graduate School of Engineering Committee.
- (5) The Thesis Examination Committee will examine the submitted doctoral thesis for research irregularities.
- (6) The submitted doctoral thesis will be discussed by the Graduate School of Engineering Committee, received by the Dean of the Graduate School of Engineering, and reviewed by the Thesis Examination Committee.

3 Oral Thesis Examination

- (1) Oral examinations will be conducted as the "final exam" listed in Article 8 of the Degree Rules of the University.
- (2) The graduate student who submitted the doctoral thesis shall present the research results and answer questions in the doctoral thesis defense. The thesis defense will be open to the public.
- (3) In the doctoral thesis defense, the Thesis Examination Committee conducts an oral examination for the graduate student who has submitted the doctoral thesis, reviews the graduate students' expertise, and examines whether the graduate students are qualified to grant a doctoral degree.

4. Determining "Passing" or "Failing"

- (1) The Graduate School of Engineering Committee will determine the advisability of completing the Doctoral Program after comprehensively examining the content of the doctoral thesis submitted, the results of thesis defense and oral examinations, and the status of credits acquired (36 units or more).
- (2) The examination criteria for the doctoral thesis in this graduate school are as follows:
 - Satisfy diploma policy requirements
 - Validity, novelty, and originality of research themes and problem settings
 - Validity, novelty, and originality of research methods
 - Validity of the paper structure
 - Validity, novelty, and originality of conclusions
 - Contribution to society or academic society
 - Presentation of future issues and prospects
 - Typography

- (3) The evaluation of a doctoral thesis shall be “passing” or “failing”.
- (4) In the course of examining doctoral theses, students shall be rejected if they are found to have fabricated, altered, plagiarized, or committed an inappropriate act that should be equated with any of these acts with the intent to obtain a degree in an improper manner.
- (5) The Thesis Examination Committee will prepare an examination report based on the results of the judgment on the propriety of the completion of the Doctoral Program and report it to the Graduate School of Engineering Committee.
- (6) The Graduate School of Engineering Committee reviews the examination report and determines the conferment of a degree upon completion of the Doctoral Program by a vote of 2/3 or more. The Graduate School of Engineering Committee reports the results to the President in writing and submits the degree to the President. The degree is granted by the president.

5 Retention of Examination Reports and Thesis

- (1) The Educational Affairs Center shall keep review reports prepared by the Thesis Examination Committee.
- (2) One (1) doctoral thesis that has passed the review shall be retained at the University Library.
- (3) A doctoral thesis shall be published within three months of the date on which the degree is granted, together with a summary of the thesis and review results, and shall be printed and published within one year.

Laboratory Affiliations

The structure of each research field (laboratory) is as follows.

Master's Program Faculty List

Name	Specialized field
Osamu TABATA	Micro Nanosystems, Sensors, and DNA Nanotechnology
Hiroshi KAWAKAMI	System Design, Systems engineering, and Mechanical Engineering
Ian PIUMARTA	Reconfigurable Systems, Programming Languages, Metaprogramming, and IoT
Tadayuki IMAI	Optical Control Devices, Optical Crystals, Dielectrics, and Holography
Kazuo OKI	Remote Sensing, Drone Measurement, and Data Analysis
Koichi NAKAMURA	Quantum materials science, quantum chemistry, quantum physics, and nanomaterials
Shigeru HORII	Material science, Material Processes using Magnetic Fields, Oxide Material Properties, Strong Magnetic Field Science, and Superconductivity Engineering
Hiroaki FUKUSHIMA	Motion Control of Robot, and Multiple Robot Systems
Alberto CASTELLAZZI	Power Electronics, Power Semiconductor Devices, Packaging, and Thermal Management
Takahiro NAMAZU	Nanomechanics, Nanotechnology, and Functional Materials
Masayuki NISHI	Inorganic Materials Chemistry, Nanomaterials, and Optical Properties
Ryosuke MATSUMOTO	Solid Mechanics, Computational Mechanics, Material Strength Science, and Atomic Simulation
Ippei KISHIDA	Computational Materials Science, Battery Engineering, and Ionics
Ryo TAKAHASHI	Electrical Engineering, Information and Communication Engineering, and Statistical Physics
Yoshihiro SATO	Robotics, VR/MR, and Computer Vision
Fuat KUCUK	Electromechanical Engineering, Power Electronics, Renewable Energy Conversion, and Electric Vehicles
Martin SERA	Mathematics, Complex Analysis, and Complex Geometry
Zilu LIANG	Wearable Computing, Ubiquitous Computing, Health Informatics, and Applied Health Science

Doctoral Program Faculty List

Name	Specialized Field
Osamu TABATA	Micro Nanosystems, Sensors, and DNA Nanotechnology
Hiroshi KAWAKAMI	System Design, Systems engineering, and Mechanical Engineering
Ian PIUMARTA	Reconfigurable Systems, Programming Languages, Metaprogramming, and IoT
Tadayuki IMAI	Optical control devices, optical crystals, dielectrics, holography
Kazuo OKI	Remote sensing, drone measurement, and data analysis
Koichi NAKAMURA	Quantum Materials Science, Quantum Chemistry, Quantum Physics, and Nanomaterials
Shigeru HORII	Material Science, Material Processes using Magnetic Fields, Oxide Material Properties, Strong Magnetic Field Science, and Superconductivity Engineering
Hiroaki FUKUSHIMA	Motion Control of Robot, and Multiple Robot Systems
Alberto CASTELLAZZI	Power Electronics, Power Semiconductor Devices, Packaging, Thermal Management Working with Dr. Kucuk: Electro-Mechanical Engineering, Renewable Energy Conversion
Takahiro NAMAZU	Nanomechanics, Nanotechnology, and Functional Materials
Masayuki NISHI	Inorganic Materials Chemistry, Nanomaterials, and Optical Properties
Ryosuke MATSUMOTO	Solid Mechanics, Computational Mechanics, Material Strength Science, and Atomic Simulation
Ippei KISHIDA	Computational Materials Science, Battery Engineering, and Ionics
Ryo TAKAHASHI	Electrical Engineering, Information and Communication Engineering, and Statistical Physics
Yoshihiro SATO	Robotics, VR/MR, and Computer Vision
Martin SERA	Mathematics, Complex Analysis, and Complex Geometry

"Sentan Navi" Student Website



The "Sentan Navi" website provides students with a variety of information related to student life. You can access the site on your mobile phone or smart phone using the QR code on the right.

◇ Communication ◇ Important information ◇ Announcements about lecture cancellations and supplementary lectures ◇ Call information ◇ Registration and syllabus reference ◇ View personal class schedules ◇ Confirmation and submission of assignments (reports, etc.) ◇ Submit notifications (such as reporting a change of address, etc.) ◇ Interview reservations ◇ Employment, etc.

*If you register your e-mail address on "Mail Settings" on Sentan Navi, postings can be sent to you by e-mail.

Class Timetable

Kyoto Uzumasa Campus

First Period	Second Period	Third Period	Fourth Period	Fifth Period
8:50~10:20	10:30~12:00	12:40~14:10	14:20~15:50	16:00~17:30

Kyoto Kameoka Campus

First Period	Second Period	Third Period	Fourth Period	Fifth Period
9:30~11:00	11:10~12:40	13:20~14:50	15:00~16:30	16:40~18:10

Weather Warning and Transportation Delay Policy

(1) Weather Warnings

Classes are subject to delays or cancellation if a "special warning", "storm warning", or "blizzard warning" is issued in Southern Kyoto / Kameoka of Kyoto Prefecture (Kyoto City, Kameoka City, Muko City, Nagaokakyo City, or Oyamazaki-cho).

The following applies for all campuses:

Time of Warning	Class and Examination Start Time
Warning lifted by 7:00 AM	Held from first period as usual
Warning lifted by 10:00 AM	Held from third period
Warning lifted after 10:00 AM	All lectures will be cancelled

(Note) As a general rule, classes are not subject to cancellation due to "heavy rain warnings", "flood warnings", and "heavy snow warnings". However, there are special cases that universities cancel classes. In that case, please check the university's homepage and Sentan Navi.

*If an applicable warning is issued after class starts, in principle classes will be canceled. Take immediate action to get yourself to safety when a "special warning" is announced. If you are unable to attend classes or **examinations** due to

applicable weather warnings, please respond in the same manner when there are public transportation delays. (Details are written in the following paragraph.

(2) When public transportation is delayed

If you are unable to attend a class or examination due to public transportation delays, please follow the instructions below:

- ① When you cannot attend class (or in-class examinations)

You should inform the person in charge of the class about it directly on the day and follow their instructions.

- ② When you cannot attend the regular final examination

Since you are allowed to take a makeup examination, you must apply for a makeup examination by submitting an application to the Educational Affairs Center within two days (exam days, Saturdays, Sundays, and holidays are not included) after completing the examination for the subject. *A transportation cancellation certificate or delay certificate is required to apply for a makeup examination. You can receive it from the station attendant or the website of public transportation.

Please note that the class or examination start time may be changed depending on the transportation situation. **Please use "Sentan Navi" to check whether classes are cancelled and avoid telephone inquiries.**

Appendix

***This translation is intended to be used as a reference only. In the event of any inconsistency between this translation and the Japanese regulations, the Japanese regulations shall prevail.**

Kyoto University of Advanced Science Graduate School Regulations

Chapter I General Regulations

Article 1 This graduate school shall be called the Kyoto University of Advanced Science Graduate School (Hereinafter referred to as "the KUAS Graduate School").

Article 1-2 Based on the founding principles of the university, the KUAS Graduate School aims to contribute to the advancement of society by teaching, researching and thoroughly investigating the depths of academic theories and their applications in specialized fields in accordance with the Basic Act on Education and the School Education Act.

Article 1-3 The KUAS Graduate School of Economics aims to develop graduates who can analyze various problems associated with environmental changes in people's lives, acquire profound knowledge from a broad perspective and are capable of working in professions that require a high level of expertise, while taking into account the characteristics of modern economic society.

The Graduate School of Business Administration aims to nurture talented individuals with theoretical and practical expertise in the field of business administration, as well as individuals who can demonstrate an entrepreneurial spirit and lead reforms, regardless of the size or the age of the organization, in relation to various phenomena that arise inside and outside of management organizations in the midst of significant changes in the social environment, including internationalization, information technology, and the lack of compliance. The objective of the program is to nurture professionals who will be leaders of reforms, and who will innovate by implementing new knowledge into society in the midst of digital transformation and the development of new materials.

The KUAS Graduate School of Humanities aims to develop graduates who can contribute to the solution of various problems facing modern society from a historical perspective by building an academic system that takes a diversified approach to understanding human psychology, social patterns, and cultural characteristics.

The KUAS Graduate School of Bioenvironmental Sciences aims to create a sustainable regional environment (bioenvironment) where a variety of living things can coexist in harmony, and to this end, it aims to develop the field of bioenvironmental design and cultivate graduates with a broad perspective that links biotechnology and environmental sciences in response to developments in bioenvironmental design.

The Graduate School of Engineering aims to foster engineers and researchers who can contribute to the creation of next-generation industries and the creation of new value by combining expertise, scholarship, and cultivation in interdisciplinary engineering fields that straddle mechanical and electrical fields, with an interest in global society and the acquisition and further deepening of advanced knowledge in specialized fields essential for next-generation electromechanical systems.

Article 2 To improve the level of education and research and achieve the objectives set forth in articles 1

and 1-2, the KUAS Graduate School shall conduct self-inspections and evaluations of the status of education and research activities, etc.

(2) In conducting the inspection and evaluation set forth in the preceding paragraph, a committee for self-inspection and evaluation shall be established.

Article 3 Master's Programs and Doctoral Programs shall be established in the KUAS Graduate School.

(2) The purpose of the Master's Program is to impart in-depth knowledge to students from a broad perspective and to cultivate research abilities in a specific field or advanced skills necessary for professions that require a high level of expertise.

(3) The purpose of the Doctoral Program is to cultivate advanced research abilities as well as rich academic knowledge that will provide the foundation necessary to conduct independent research activities as a researcher in a specific field or to engage in other highly specialized work.

Chapter II Graduate Schools, Departments, Admission Quota/Enrollment Capacity, and Minimum Enrollment Period

Article 4 The following graduate schools and departments shall be established in the KUAS Graduate School.

Graduate School Name	Program Name	Division Name
Graduate School of Economics	Master's Program	Division of Economics
Graduate School of Business Administration	Master's Program	Division of Management
		Division of Business Administration
Graduate School of Human Culture	Master's Program	Division of Human Culture
Graduate School of Bioenvironmental Sciences	Master's Program	Division of Bioenvironmental Sciences
	Doctoral Program	Division of Bioenvironmental Sciences
Graduate School of Engineering	Master's Program	Division of Mechanical and Electrical Systems Engineering
	Doctoral Program	Division of Mechanical and Electrical Systems Engineering

Article 5 The student quota/capacity for the respective graduate schools shall be as follows.

Graduate School Name	Program Name	Division Name	Admission Quota	Enrollment Capacity
Graduate School of Economics	Master's Program	Division of Economics	5 people	10 people
Graduate School of Business Administration	Master's Program	Division of Management	No longer accepting students	
		Division of Business Administration	20 people	40 people
Graduate School of Human Culture	Master's Program	Division of Human Culture	10 people	20 people

Graduate School of Bioenvironmental Sciences	Master's Program	Division of Bioenvironmental Sciences	20 people	40 people
	Doctoral Program	Division of Bioenvironmental Sciences	3 people	9 people
Graduate School of Engineering	Master's Program	Division of Mechanical and Electrical System Engineering	15 people	30 people
	Doctoral Program	Division of Mechanical and Electrical System Engineering(2 persons	6 people

Article 6 The standard minimum enrollment period for Master's Programs at the KUAS Graduate School shall be 2 years. However, students may not be enrolled for a period longer than 4 years.

(2) The standard minimum enrollment period for Doctoral Programs at the KUAS Graduate School shall be 3 years. However, students may not be enrolled for a period longer than 6 years.

(3) When students request to systematically take and complete an educational program over a certain period in excess of the standard minimum enrollment period prescribed in the preceding two paragraphs (hereinafter referred to as "long-term graduate students") due to circumstances such as employment, etc., the KUAS Graduate School may allow them to do so as prescribed separately.

(4) Notwithstanding the provisions of paragraphs 1 and 2, when education is provided mainly for those who have work experience, when it is necessary for educational and research purposes, and when there is no impediment to education through appropriate methods such as providing class or research guidance at night or at other specific times or periods in addition to daytime hours, the standard minimum enrollment period may be set to a period of 1 year or more but less than 2 years, depending on the Graduate School, division, or the student's classification.

(5) The Graduate School, division, or the student's classification as set forth in the preceding paragraph shall be as follows.

Graduate School of Business Administration

(Division of Business Administration)

Master's Program 1-year Course

Chapter III Academic Year, Semesters, and Holidays

Article 7 The academic year begins on April 1st and ends on March 31st of the following year.

Article 8 The academic year shall be divided into the following two semesters:

- (1) Spring Semester (From April 1st to September 15th)
- (2) Fall Semester (From September 16th to March 31st of the following year)

Article 9 Holidays shall be as follows:

- (1) Saturdays and Sundays
- (2) Days stipulated as holidays by the "Act on National Holidays"
- (3) ~~Deleted~~

- (4) Summer Vacation: As prescribed separately in the academic year calendar
- (5) Winter Vacation: As prescribed separately in the academic year calendar.
- (6) Spring Vacation: As prescribed separately in the academic year calendar.
- (2) Other days deemed necessary by the President may be designated as special holidays.
- (3) Classes may be held on a holiday when the President deems it necessary,

Chapter IV Education Method and Completion Method

Article 10 Education in the KUAS Graduate School shall be provided through instruction in classes and in guidance for the preparation of dissertations, etc. (hereinafter referred to as "research guidance".)

- (2) If it is recognized that there is a special educational need, the KUAS Graduate School may provide education by appropriate methods such as giving classes or research guidance at night or other specific times.

Article 11 Courses and credit values for the respective graduate schools shall be as shown in Appended Table 1.

Article 12 Students must acquire the following minimum credit counts, as determined by each graduate school, in the courses listed in Appended Table 1.

Graduate School Name	Program Name	Division Name	Number of credits required for completion
Graduate School of Economics	Master's Program	Division of Economics	32 credits
Graduate School of Business Administration	Master's Program	Division of Management	32 credits
		Division of Business Administration	34 credits
Graduate School of Human Culture	Master's Program	Division of Human Culture	32 credits
Graduate School of Bioenvironmental Sciences	Master's Program	Division of Bioenvironmental Sciences	34 credits
	Doctoral Program	Division of Bioenvironmental Sciences	24 credits
Graduate School of Engineering	Master's Program	Division of Mechanical and Electrical Systems Engineering	34 credits
	Doctoral Program	Division of Mechanical and Electrical Systems Engineering	36 credits

- (2) If deemed beneficial from the standpoint of education and research at the KUAS Graduate School, students may be allowed to take courses at other universities' graduate schools if they are deemed appropriate by KUAS.
- (3) Credits for courses described in the preceding paragraph may be deemed to have been taken at the KUAS Graduate School, to the extent that they do not exceed 15 credits.
- (4) If deemed beneficial from the standpoint of education and research, related credits (including credits acquired as a part-time non-degree student) acquired by students before entering the KUAS Graduate

School may be deemed to have been taken at the KUAS Graduate school, to the extent that they do not exceed 15 credits.

(5) Credits recognized pursuant to the provisions of the preceding two paragraphs shall not exceed 20 credits in total.

Article 13 Prescribed credits shall be granted to students who complete the course and pass the examinations.

(2) The maximum grade for a course shall be 100 points, and a grade of 60 points or fewer shall be a failing grade. The grades shall be scaled as follows.

(A) 80 points or more	Passing grade
(B) 70 to 79 points	
(C) 60 to 69 points	
(F) 59 points or fewer	Failing grade

Article 14 The calculation of course credits shall be determined by the number of hours of instruction that the university deems equivalent to 1 credit, generally within the range of 15 to 45 hours.

Article 14-2 At the KUAS Graduate School, those who intend to obtain a junior or senior high school teacher's specialized license, as specified in the Educational Personnel Certification Act, must have a type-1 junior or senior high school teacher's license as a foundation and acquire the prescribed credits as specified in the Education Personnel Certification Act and its enforcement regulations.

(2) Teacher's licenses that can be obtained under the preceding paragraph are as follows:

Graduate School	Type of License	Subject
Graduate School of Human Culture	Junior High Specialized Teacher's License	Social Studies
	Senior High Specialized Teacher's License	Geography & History
Graduate School of Bioenvironmental Sciences	Junior High Specialized Teacher's License	Science
	Senior High Specialized Teacher's License	Science

Chapter V Granting of Credits, Completion of Courses, and Degree Certificates

Article 15 Students shall be deemed to have completed the Master's Program if they have been enrolled for at least two years, have received the required research guidance, have acquired the credit prescribed by the KUAS Graduate School and have passed the final examination and review of their thesis. However, an enrollment period of one year or longer shall be sufficient for students who have achieved academic excellence in the Master's Program.

(2) As referred to in the preceding paragraph, if it is deemed appropriate for the Master's Program, a review of research results on a specific subject may be substituted in place of a standard thesis review.

(3) Students shall be deemed to have completed the Doctoral Program if they have been enrolled for at least three years, have acquired the credit prescribed by the KUAS Graduate School, have received the required research guidance and have passed the final examination and review of their doctoral thesis. However, an enrollment period of three years in the KUAS Graduate School (students who have completed the Master's Program and were enrolled for at least two years will have those two years included in that period) shall be sufficient for students who have achieved academic excellence.

Article 16 Students who have completed the following Master's Programs or Doctoral Programs in the KUAS Graduate School shall be awarded the following degrees.

Graduate School Name	Course Name	Division Name	Degree Name
Graduate School of Economics	Master's Program	Division of Economics	Master of Economics
Graduate School of Business Administration	Master's Program	Division of Business Management	Master of Business Administration
		Division of Business Administration	
Graduate School of Human Culture	Master's Program	Division of Human Culture	Master of Human Culture
Graduate School of Bioenvironmental Sciences	Master's Program	Division of Bioenvironmental Sciences	Master of Bioenvironmental Sciences
	Doctoral Program	Division of Bioenvironmental Sciences	Doctor of Bioenvironmental Sciences
Graduate School of Engineering	Master's Program	Division of Mechanical and Electrical Systems Engineering	Master of Engineering
	Doctoral Program	Division of Mechanical and Electrical System Engineering	Doctor of Engineering

Article 17 Matters necessary for the conferral of degrees shall be governed by the University Degree Regulations.

Chapter VI Admission, Withdrawal, Leave of Absences, Re-enrollment and Study Abroad

Article 18 The admission period shall be at the beginning of each semester.

Article 19 Applicants must fulfill one of the following conditions to be eligible for admission to the KUAS Graduate School Master's Program:

- (1) Have graduated from a university
- (2) Have been granted a bachelor's degree by the National Institute for Academic Degrees and University Evaluation (NIAD-UE)
- (3) Have completed 16 years of schooling in a foreign country.
- (4) Have been designated by the Minister of Education, Culture, Sports, Science and Technology
- (5) Have been enrolled at a university for at least three years and are recognized by the KUAS Graduate School as having earned the prescribed credits with distinguished academic achievement.
- (6) Are recognized by the KUAS Graduate School as having academic ability equivalent to or higher

than a university graduate.

(2) Applicants must fulfill one of the following conditions to be eligible for admission to the Doctoral Program (fall semester):

- (1) Have a master's degree
- (2) Have been granted a degree equivalent to a master's degree in a foreign country
- (3) Have been designated by the Minister of Education, Culture, Sports, Science and Technology
- (4) Are recognized by the KUAS Graduate School as having academic ability equivalent to or higher than that of a person with a master's degree

Article 20 Applicants for admission to the KUAS Graduate School must follow the prescribed procedures.

(2) The procedures for admission shall be prescribed separately.

Article 21 Students seeking permission to take a leave of absence or withdraw from the KUAS Graduate School due to illness (or other reasons) must submit a request jointly signed by a guarantor.

(2) The period of a leave of absence shall not be counted in the number of years of enrollment as specified in Article 6.

(3) When students taking a leave of absence intend to re-enroll, they must submit a re-enrollment application and obtain permission.

(4) The total period for a leave of absence may not exceed two years.

Article 22 Students who have been approved by KUAS to stud abroad shall be regarded as "studying abroad" and not be treated as students "taking a leave of absence".

(2) The period of studying abroad shall be included in the number of years of enrollment as specified in Article 6.

Article 23 A student who has withdrawn upon request may be permitted to request readmission within two years.

Article 24 Students may not apply for admission or transfer to another graduate school without obtaining permission from the President.

(2) Students from other graduate schools who wish to transfer to the KUAS Graduate School may be permitted to do so after a screening process.

Chapter VII Non-degree Students, Auditing Students, Commissioned Students and Research Students

Article 25 Persons who have requested to take courses may be permitted to do so as non-degree students after a screening process.

Article 26 Persons who have requested to audit a specific course may be permitted to do so as auditing students after a screening process.

Article 27 Persons who have been commissioned by a public organization or other institution to study a specific course at the KUAS Graduate School may be permitted to do so as a commissioned student after a screening process.

(2) Persons who request to research a specific subject may be permitted to do so as a research student

after a screening process.

Article 28 Non-degree students, auditing students, commissioned students and research students must abide by these regulations and all other university rules. However, the provisions of Article 6 and Chapter 5 shall not apply *mutatis mutandis*.

Chapter VIII School Fees

Article 29 Applicants for admission to the KUAS Graduate School must pay the entrance examination fee.

Article 30 Applicants who are granted entry to the KUAS Graduate School must pay the admission fee.

Article 31 Students must pay tuition, facility fees, experiment and laboratory fees, and other required school fees.

Article 32 Non-degree students must pay registration and course fees. Auditing students must pay an auditing fee. Commissioned students must pay commissioned student fees. Research students must pay registration and enrollment fees.

Article 33 The amounts for school fees, etc. shall be as shown in Attached Table 2.

(2) Payment of the fees set out in the preceding paragraph shall be made in accordance with the separately prescribed KUAS School Fee Regulations.

Article 34 Once accepted, school fees will not be refunded for any reason.

Article 34-2 School fee payments shall be exempted during a leave of absence. However, an enrollment fee must be paid for each semester (spring semester/fall semester) during a leave of absence. Students who have paid the school fees during the relevant period will be exempted from paying the enrollment fee.

Article 35 Students who fail to pay tuition and other school fees shall be expelled.

(2) When a student has been expelled (as described in the preceding paragraph) applies for reinstatement, permission may be permitted to do so after screening.

Chapter IX Staff and Management Organizations

Article 36 Each graduate school of the KUAS Graduate School shall appoint a dean.

(2) The graduate school deans shall oversee the administration of their respective graduate school.

Article 37 [missing clause]

Article 38 [missing clause]

Article 39 Each graduate school shall establish a graduate school committee composed of the dean of the relevant graduate school and faculty, as well as full-time faculty members who are in charge of classes or research supervision at the relevant graduate school.

(2) The dean of each graduate school shall convene and chair their respective graduate school committees.

(3) The graduate school committees shall state their opinions when the President makes decisions on the following matters:

(1) Matters related to students' admission, completion of courses, and other topics related to students' status

- (2) Matters related to examinations, acquisition of credits, and other academic evaluations
 - (3) Matters concerning the review of theses and the conferral of degrees
 - (4) Matters concerning the improvement of the content and method of classes and research supervision
 - (5) Matters concerning awards and punishments for students
 - (6) Matters concerning the review of teachers qualified to provide research guidance
- (4) The graduate school committees shall, in addition to the matters prescribed in the preceding paragraph, deliberate and state their opinions on matters prescribed in the university rules and other regulations.

Article 39-2 The composition and administration of the Graduate School Committee shall be separately prescribed.

Article 40 The KUAS Graduate School shall have a Graduate School Committee, which shall consist of the President, the deans of the respective graduate schools and the Educational Affairs Center Director, one full-time faculty member elected from each graduate school, the University Bureau Chief and Vice Chief Director.

2. The President shall convene and chair the Graduate School Committee

(3) The Graduate School Committee shall state its opinions when the President makes decisions on the following matters:

- (1) Matters concerning communication and coordination among graduate schools
- (2) Matters concerning self-inspection and evaluation of graduate schools
- (3) Matters related to FD (faculty development) within graduate schools
- (4) Other important matters concerning education and research of the graduate schools

4 The Graduate School Committee shall, in addition to the matters prescribed in the preceding paragraph, deliberate and state its opinions on matters prescribed in the university rules and other regulations.

Article 41 The composition and administration of the Graduate School Committee shall be separately prescribed.

Chapter X Awards and Discipline

Article 42 Awards may be given to students who excel in both conduct and academic achievement and set an example for other students.

Article 43 If a student has violated the School Rules or any other university regulations, or has otherwise committed an act contrary to their duty as a student, the President shall take disciplinary action after hearing the opinion of the Graduate School Committee.

- (2) Disciplinary actions shall be verbal or written warnings, suspension, and expulsion.
- (3) Matters concerning disciplinary actions shall be prescribed in the "Student Disciplinary Action Regulations".

Article 44 When non-degree students, auditing students, commissioned students, or research students have violated the School Rules or any other university regulations, the President may revoke the permission they were given after hearing the opinion of the graduate school committees.

Chapter 11 Research Facilities and Equipment

Article 45 Graduate student laboratories shall be established in the KUAS Graduate School.

(2) Students of the KUAS Graduate School may use the university's research facilities, other facilities and equipment.

Chapter 12 Other

Article 46 For matters not provided for or covered in these regulations, the Kyoto University of Advanced Science School Rules shall apply with necessary modifications.

(2) Detailed regulations necessary for the implementation of these regulations shall be provided separately.

Article 47 The President shall hear the opinions of the respective graduate school committees and the Graduate School Committee when revising or abolishing these regulations.

-Supplementary Provisions omitted-

Appended Table 2 (Relating to Article 33) School Fees

(1) Examination Fee: 35,000 yen

(However, the entrance examination fee is 5,000 yen for international students (English medium instruction) intending to enter the Graduate School of Engineering)

(2) Admission Fees KUAS graduates: 100,000 Yen

// Non-KUAS graduates: 200,000 Yen

(3) School Fees

Graduate School of Economics, Graduate School of Business Administration(Division of Management)

, Graduate School of Human Culture:

Master's Program

(1) Tuition (annual amount) 545,000 yen

(2) Facility fees (annual amount) KUAS graduates: 129,000 yen

// Non-KUAS graduates: 192,000 yen

Graduate School of Business Administration (Division of Business Administration) (Master's Program)

(1) Tuition (annual amount) 1,500,000 yen

Graduate School of Business Administration (Division of Business Administration) (Master's Program)

1-year course

(1) Tuition (annual amount) 2,920,000 yen

Graduate School of Bioenvironmental Science

Master's Program and Doctoral Program

(1) Tuition (annual amount) 630,000 yen

(2) Facility fees (annual amount) 150,000 yen

Graduate School of Engineering

Master's Program and Doctoral Program

- (1) Tuition (annual amount) 650,000 yen
- (2) Facility fees (annual amount) 150,000 yen
- (3) Laboratory fees 200,000 yen

(4) Other payments

- (1) Enrollment Fees: (Spring Semester and Fall Semester) 10,000 yen each semester
- (2) Non-degree student registration fee (First time only): 30,000 yen
- (3) Non-degree student tuition: 7,000 yen per credit
- (4) Auditing fee: 10,000 yen per subject
- (5) Commissioned student fees: 10,000 yen per subject
- (6) Research student registration fee: 25,000 yen
- (7) Enrollment fee for research students:

Graduate Schools other than Engineering: (Spring Semester and Fall Semester) 60,000 yen each semester

Graduate School of Engineering: 25,000 yen per month

(5) Laboratory and practical training fees

Determined in accordance with regulations for collecting practical training fees.

Kyoto University of Advanced Science School Fee Regulations

(Purpose)

Article 1

These Regulations shall provide for necessary matters concerning school fees as stipulated in the Kyoto University of Advanced Science School Rules and the Kyoto University of Advanced Science Graduate School Rules (hereinafter referred to as "School Rules.")

(Amount of school fees)

Article 2

The amount of school fees and any other related fees shall be determined in accordance with the School Rules and these Regulations.

(Payment of school fees)

Article 3

The payment of school fees and any other related fees as prescribed in the preceding Article shall be made as follows:

- (1) When applying for admission, the applicant must pay an entrance examination fee.
- (2) When an applicant is admitted, the applicant must pay admission fees and the prescribed amount of tuition, facility fees and other required school fees.
- (3) From the second year onwards, the annual amount of tuition, facility fees and other required school fees shall be paid in two installments, one for spring semester and one for fall semester.
- (4) Payment must be made by April 30 for the fees due in spring semester and by October 31 for the fees due in fall semester.
- (5) The amount for tuition, facility fees and other required school fees shall be determined by October of each year by taking into consideration the increase in the consumer price index of the Statistics Bureau, Ministry of Internal Affairs and Communications, for the previous fiscal year, as well as the educational conditions improvement rate of no more than 5%, as well as any increase and decrease in the state subsidy for ordinary expenses of private universities. However, in the Faculty of Bioenvironmental Sciences, tuition, facility fees and other required school fees for the following year's students shall be decided by October of each year.

(Handling of tuition, and other required school fees for long-term graduate students)

Article 3-2

The amount of tuition, and other required school fees for the planned period of study (the

standard minimum enrollment period in years plus the number of years exceeding that period) shall be determined by dividing the amount of tuition, facility fees, laboratory and practical training fees for the minimum enrollment period (2 years for Master's Programs and 3 years for Doctoral programs) by the planned period of study.

2 If there is a change in the planned period of study, the amount obtained by subtracting the amount of school fees that have already been paid from the total amount of school fees for the standard minimum enrollment period shall be divided by the remaining planned period of study.

3 In addition to the amount stipulated in Paragraph 1, Graduate Schools may charge long-term graduate students a separately determined fee during the planned long-term period of enrollment.

4 The fee set forth in the preceding paragraph shall be determined by the President after deliberation by the Graduate School Committee of the relevant Graduate School.

(Payment of laboratory and practical training fees)

Article 4

Students who take Training courses must pay laboratory and practical training fees.

2 The amount and payment of laboratory and practical training fees shall be in accordance with the Laboratory and Practical Training Fee Collection Regulations.

(Handling of students on a leave of absence)

Article 5

Students will be exempt from the payment of school fees for the duration of their leave of absence. Students must pay enrollment fees for each spring and fall semester. Students who have already paid school fees for the relevant period shall be exempt from enrollment fees.

(School fees for students studying abroad)

Article 6

Students studying abroad shall be required to pay their school fees in full to KUAS. However, when studying abroad at a university or a junior college that has entered into an agreement or understanding with KUAS, school fees shall be determined in consultation with the relevant institution.

(Handling of students seeking re-admission)

Article 7

Persons who are granted re-admission must pay a re-admission fee.

2 The readmission fee shall be half of the admission fee for the academic year of re-admission.

3 The school fees for students who have been re-admitted shall be the amount for the academic year in which they were re-admitted.

(Handling of students seeking reinstatement)

Article 8

When a person who has been dismissed from the school register requests reinstatement, they must pay a reinstatement fee of 10,000 yen and any outstanding school fees.

(Handling of Transfer Students)

Article 9

When applying for a transfer, the applicant must pay the transfer student examination fee of 35,000 yen. However, applicants from technical colleges must pay a document examination fee of 5,000 yen. When those applicants from technical colleges apply for a transfer, the transfer student examination fee shall be 30,000 yen.

2 The admission fee for transfer students who have been admitted shall be the amount for the academic year in which they are admitted.

(Handling of students pursuing higher education within Nagamori Gakuen Educational Foundation)

Article 10

The entrance examination fee, admission fee, and other school fees for those advancing within the foundation may be reduced.

(Handling of students transferring to a different faculty or department within KUAS)

Article 11

Students that have received permission to transfer to a different faculty or department within KUAS must pay 10,000 yen as a faculty/department transfer fee.

2 The school fees for students who have transferred to a different faculty or department within KUAS shall be the amount for the academic year of the new faculty or department to which they transferred.

(Handling of re-examinations)

Article 12

Students who will take re-examinations must pay 3,000 yen per course as a re-examination fee.

(Handling of students taking Remedial Classes)

Article 12-2

Students who will take Remedial Classes must pay 10,000 yen per Remedial Class taken.

(Handling of school fees after the standard minimum enrollment period has elapsed)

Article 12-3

The handling of tuition, and other required school fees, etc., after the standard minimum enrollment period has elapsed shall be as follows:

(1) For graduate students of the following graduate schools, see Appended Table 1.

Graduate School of Economics

Graduate School of Business Administration Division of Management

Graduate School of Human Culture

Graduate School of Bioenvironmental Sciences (Master's and Doctoral Program)

Graduate School of Engineering (Master's and Doctoral Program)

(2) For graduate students of the following graduate schools, see Appended Table 2 or 3.

Graduate School of Business Administration Division of Business Administration

Graduate School of Business Administration Division of Business Administration (1-year course)

(3) For undergraduate students, see Appended Table 4.

(4) For graduate students, when deemed necessary, a separately determined fee may be charged after the standard minimum enrollment has elapsed in addition to the amount specified in item (1) or (2).

(Fees for non-degree students)

Article 13

Students accepted as non-degree students must pay registration fees and tuition fees on a per course basis.

2 The handling of tuition fees for non-degree students accepted from universities shall be determined in consultation with the relevant institution based on existing agreements.

3 In special cases that have been recognized by the university, non-degree students may be exempt from tuition fees or have their tuition fees reduced.

(Auditing Fees)

Article 14

Students accepted as auditing students must pay auditing fees on a per course basis.

(Commissioned Student Fees)

Article 15

Students accepted as commissioned students must pay commissioned student fees on a per course basis.

(Research Fees)

Article 16

Students accepted as research students must pay registration fees and research-related fees.

(Exemption and Reduction of School Fees)

Article 17

In the event that a student or their guarantor has been a victim of a natural disaster or a similar emergency disaster, the student may have their entrance examination fees, admission fees and other required school fees waived or reduced after an investigation of the student's actual circumstances.

2 In special cases that have been approved by the President, the entrance examination fees, admission fees and other required school fees may be waived or reduced for certain students.

(Refund of school fees)

Article 18

In accordance with School Rules, in principle, once school fees have been received by the university, they are not refundable. However, successful applicants may have their school fees refunded provided that they have completed enrollment procedures and an application for the refund of school fees within the date designated by the President.

(Revisions and Abolition)

Article 19

When revising or abolishing these School Fee Regulations, the President shall take the opinions of the Faculty Meeting of each Faculty as well as the University Council into account.

Supplementary Provisions omitted

Appended Table 1 (Regarding Article 12-3)

[For graduate students of the following graduate schools:

Graduate School of Economics

Graduate School of Business Administration, Division of Management

Graduate School of Human Culture

Graduate School of Bioenvironmental Sciences (Master's and Doctoral Program)

Graduate School of Engineering (Master's and Doctoral Program)]

School Fees	Amount to be Paid		
Tuition	A graduate student whose master's or doctoral thesis has passed review	A graduate student who has not obtained the required credits for completion	Amount equivalent to 50% of the amount paid by second year master's students (third year doctoral students) in the relevant year
	A graduate student whose master's or doctoral thesis has not passed review	A graduate student who has obtained the required credits for completion by the end of the previous semester (*1)	Amount equivalent to 50% of the amount paid by second year master's students (third year doctoral students) in the relevant year
		A graduate student who has 14 credits or fewer remaining (*1)	Amount equivalent to 70% of the amount paid by second year master's students (third year doctoral students) in the relevant year
		A graduate student who has 15 credits or more remaining (*1)	Amount equivalent to the amount paid by second year master's students (third year doctoral students) in the relevant year
Facility fees	The same rules shall be applied to calculate facility fees as those applied to tuition		
Laboratory fees	Amount equivalent to the amount paid by second year master's students (third year doctoral students) in the relevant year		

*1: Number of credits remaining is based on the total number of credits calculated the end of the previous semester.

Appended Table 2 (Regarding Article 12-3)

[For graduate students of the following graduate school:

Graduate School of Business Administration, Division of Business Administration]

School Fees	Amount to be Paid		
Tuition	A graduate student whose master's thesis has passed review	A graduate student who has not obtained the required credits for completion	80,000 yen per elective course credit
	A graduate student whose master's thesis has not passed review	A graduate student who has obtained the required credits for completion by the end of the previous semester (*1)	460,000 yen
		A graduate student who has not obtained the required credits for completion by the end of the previous semester (*1)	460,000 yen and 80,000 yen per elective course credit

*1: Number of credits remaining is based on the total number of credits calculated the end of the previous semester.

Appended Table 3 (Regarding Article 12-3)

[For graduate students of the following graduate school:

Graduate School of Business Administration, Division of Business Administration (1-year course)]

School Fees	Amount to be Paid			
			First year after the standard minimum enrollment period has elapsed	Second year and onwards after the standard minimum enrollment period has elapsed
Tuition	A graduate student whose master's thesis has passed review	A graduate student who has not obtained the required credits for completion	—	80,000 yen per elective course credit
	A graduate student whose master's thesis has not passed review	A graduate student who has obtained the required credits for completion by the end of the previous semester (*1)	—	460,000 yen
		A graduate student who has not obtained the required credits for completion by the end of the previous semester (*1)	—	460,000 yen and 80,000 yen per elective course credit

*1: Number of credits remaining is based on the total number of credits calculated the end of the previous semester.

Appended Table 4 (Regarding Article 12-3)

[For undergraduate students]

School Fees	Amount to be Paid	
Tuition	Undergraduate students who are short of the number of credits required for graduation by 2 credits or fewer (*1)	Amount equivalent to 25% of tuition paid by fourth year undergraduate students in the relevant year
	Undergraduate students who are short of the number of credits required for graduation by 4 credits or fewer (*1)	Amount equivalent to 50% of tuition paid by fourth year undergraduate students in the relevant year
	Undergraduate students who are short of the number of credits required for graduation by 5 ~ 20 credits (*1)	Amount equivalent to 70% of tuition paid by fourth year undergraduate students in the relevant year
	Undergraduate students who are short of the number of credits required for graduation by 21 credits or more (*1)	Amount of tuition paid by fourth year undergraduate students in the relevant year
Facility fees and Laboratory fees	Undergraduate students who are short of the number of credits required for graduation by 2 credits or fewer (*1)	Amount equivalent to 50% of the amount paid by fourth year undergraduate students in the relevant year
	Undergraduate students that do not fall into the above category	Amount equivalent to the amount paid by fourth year undergraduate students in the relevant year

*1: Number of credits remaining is based on the total number of credits calculated the end of the previous semester.

Chapter I General Regulations

Article 1

The purpose of these regulations is provide for necessary matters based on the Degree Regulations (Ordinance of the Ministry of Education No. 9 of 1953), Kyoto University of Advanced Science School Rules and Kyoto University of Advanced Science Graduate School Regulations.

Chapter II Degrees

Article 2

The degrees conferred at KUAS shall be as follows:

<Graduate School>

Graduate School Name	Program Name	Division Name	Degree Name
Graduate School of Economics	Master's Program	Division of Economics	Master of Economics
Graduate School of Business Administration	Master's Program	Division of Management	Master of Business Administration
		Division of Business Administration	
Graduate School of Human Culture	Master's Program	Division of Human Culture	Master of Human Culture
			Master of Social Informatics
			Master of Psychology
Graduate School of Bioenvironmental Sciences	Master's Program	Division of Bioenvironmental Sciences	Master of Bioenvironmental Sciences
	Doctoral Program		Doctor of Bioenvironmental Sciences
Graduate School of Engineering	Master's Program	Division of Mechanical and Electrical Systems Engineering	Master of Engineering
	Doctoral Program		Doctor of Engineering

<Faculties>

Faculty Name	Department Name	Degree Name
Faculty of Law	Department of Law	Bachelor of Law
Faculty of Economics and Business Administration	Department of Economics	Bachelor of Economics
	Department of Business Administration	Bachelor of Business Administration
Faculty of Human Culture	Department of Japanese History, Folklore, Language and Culture	Bachelor of Human Culture
Faculty of Humanities	Department of Psychology	Bachelor of Psychology
	Department of Japanese History and Cultural Studies	Bachelor of Japanese History and Cultural Studies
Faculty of Bioenvironmental Sciences	Department of Bioscience and Biotechnology	Bachelor of Bioenvironmental Sciences
	Department of Bioenvironmental Design	Bachelor of Bioenvironmental Design
	Department of Agriculture and Food Technology	Bachelor of Agriculture and Food Technology

Faculty of Health and Medical Sciences	Department of Nursing	Bachelor of Nursing
	Department of Speech and Hearing Sciences and Disorders	Bachelor of Speech and Hearing Sciences and Disorders
	Department of Health and Sports Sciences	Bachelor of Health and Sports Sciences
Faculty of Engineering	Department of Mechanical and Electrical Systems Engineering	Bachelor of Engineering

Article 3

A doctoral degree shall be conferred, after hearing the opinions of the Graduate School Committee, upon persons who have completed the graduate school doctoral program or have passed the dissertation examination.

2 A master's degree shall be conferred, after hearing the opinions of the Graduate School Committee, upon persons who have completed a graduate school master's program.

3 A bachelor's degree shall be conferred, after hearing the opinions of the Faculty Meeting, upon persons who have completed an undergraduate program.

Chapter III Thesis and Final Examination

Article 4

A master's thesis or doctoral thesis (hereinafter referred to as "thesis") shall be submitted to the Dean of the Graduate School.

2 The deadline for submission will be determined by the Dean of the Graduate School.

Article 5

A thesis shall be one work. One original and two copies shall be submitted.

Article 6

Theses shall be reviewed by the Graduate School Committee.

2 A Review Committee shall be established under the Graduate School Committee to review theses. The composition of the Review Committee and the review method shall be determined by the Graduate School Committee.

Article 7

A thesis shall be accepted if it is sufficient to demonstrate in-depth academic knowledge and independent research ability in the student's field or a high degree of independent ability necessary for professions that require a high level of expertise.

Article 8

A final examination for persons who have submitted a thesis shall be conducted, either orally or in writing, in the field related to the thesis.

Article 9

The Graduate School Committee shall deliberate on the thesis review and final examination results, and will make a decision to pass or fail the thesis based on a consensus of two-thirds or more of the members.

Article 10

The Dean of the Graduate School shall report the results of the Graduate School Committee's decision, as prescribed in the preceding Article, in writing to the President.

Chapter IV Conferral of Degrees

Article 11

The President shall confer a master's or doctoral degree based on the report set forth in the preceding Article.

2 The President, after hearing the opinions of the Faculty Meeting, shall confer a bachelor's degree on persons who have completed an undergraduate program.

3 The format of degree certificates issued to those who have been conferred degrees shall be as shown in the appendix.

Article 12

When a person to whom a degree has been conferred uses the name of the degree, 'Kyoto University of Advanced Science' shall be added to the name of the degree.

Chapter V Doctoral Dissertation Publication

Article 13

When a doctoral degree has been conferred, a summary of the contents of the dissertation and a summary of the thesis review results shall be published within three months from the date of conferral of the degree.

Article 14

Persons to whom a doctoral degree has been conferred shall print and publish their dissertation within one year from the date of conferral of the degree. However, this shall not apply if the dissertation has already been printed and published before the conferral of the degree.

Chapter VI Doctoral Dissertation Report

Article 15

When a doctoral degree has been conferred, the degree shall be registered in the degree registry and reported to the Minister of Education, Culture, Sports, Science and Technology within three months from the date of conferral of the degree.

Chapter VII Preservation of Dissertations

Article 16

Dissertations that have passed thesis review and examination shall be preserved in the KUAS library.

Chapter VIII Revocation of Degrees

Article 17

If a person who has been conferred a master's or doctoral degree is found to have received the degree by fraud or other serious misconduct, or has committed an act that damages the integrity of the degree, the degree of that person may be revoked after hearing the opinion of the Graduate School Committee.

Chapter IX Other Matters

Article 18

Other matters necessary for the conferral of master's and doctoral degrees shall be determined by the Graduate School.

Article 19

When revising or abolishing these School Fee Regulations, the President shall take the opinions of the Faculty Meeting of each Faculty, the Graduate School Committee as well as the University Council into account.

Supplementary Provisions omitted

Appendix omitted