Academic Year 2024

Graduate Program Course Guide

Graduate School of Science |

Tokyo Metropolitan University

2024 Academic Calendar

First Semester	• Graduate School of Science Orientation	April 5 (Fri)
	• Entrance ceremony	April 7 (Sun)
	• Periodic health examination	Schedule being adjusted
	• First and First I semesters begin	April 8 (Mon)
	• First semester registration period (online)	April 15 (Mon) - April 22 (Mon)
	• Registration confirmation due (online)	April 24 (Wed) at 5:00 p.m.
	• Last week of the First I semester courses	May 28 (Tue) - May 30 (Thu), June 7 (Fri), June 10 (Mon)
	• First II semester begins	June 4 (Tue) - June 6 (Thu), June 14 (Fri), June 17 (Mon)
	• Doctoral degree application due (September completion)	June 10 (Mon) (Scheduled)
	• Annual competition with Osaka Metropolitan University	Schedule being adjusted
	• Master's degree application due (September completion)	July 10 (Wed) (Scheduled)
	• Last week of the First semester courses	July 16 (Tue) - July 18 (Thu), July 26 (Fri), July 29 (Mon)
	• Final exams of the First semester courses and last week of the First II semester courses	July 23 (Tue) - July 25 (Thu), August 2 (Fri), August 5 (Mon)
	• Substitute final-exam days	July 30 (Tue) - July 31 (Wed), August 1 (Thu)
	• Summer recess	August 13 (Tue) - September 30 (Mon)
Second Semester	• Second and Second I semesters begin	October 1 (Tue)
	• Second semester registration period (online)	To be announced on kibaco
	• University festival	October 31 (Thu) - November 4 (Mon) (Preparation and cleanup included)
	• Last week of the Second I semester	November 19 (Tue) - 20 (Wed), November 28 (Thu) - November 29 (Fri), December 2 (Mon)
	• Second II semester begins	November 26 (Tue) - November 27 (Wed), December 5 (Thu) – December 6 (Fri), December 9 (Mon)
	• Doctoral degree application due (March completion)	December 10 (Tue) (Scheduled)
	• Winter recess	December 29 (Sun) - January 3 (Fri)
	• Second and Second II semesters resume	January 6 (Mon)
	• Master's degree application due (March completion)	January 10 (Fri) (Scheduled)
	• Common Test for University Admissions	January 17 (Fri) - January 19 (Sun) (Preparation included)
	• Last week of the Second semester courses	January 21 (Tue) - January 22 (Wed), January 30 (Thu) – January 31 (Fri), February 3 (Mon)
	• Final exams of the Second semester courses and last week of the Second II courses	January 28 (Tue) - January 29 (Wed), February 6 (Thu) - February 7 (Fri), February 10 (Mon)
	• Substitute final-exam days	February 4 (Tue) – February 5 (Wed)
	• Spring recess	February 17 (Mon) - March 31 (Mon)
	• Graduation and degree conferment ceremonies	To be announced on kibaco

* For notifications and information on course registration, degree application, intensive courses, etc., please check kibaco regularly.

Table of Contents

Basic Rules of the Courses
(Graduate School of Science | Tokyo Metropolitan University)

1. Objectives and program structure of the graduate school

The Graduate School of Tokyo Metropolitan University aims to teach and research specialized academic theories and applications in technical fields of study from a broad perspective in order for students to gain deep knowledge and outstanding abilities to engage in professions that require a high level of expertise. It also aims to improve the lives of Tokyo citizens and develop the culture of Tokyo.

The graduate program is divided into two sections: the first two years (hereinafter referred to as the "master's program") and the next three years (hereinafter the "doctoral program"). The first part of the graduate program is considered to be a master's program.

The master's program aims to enable students to gain deep knowledge and advanced skills to engage in professions that require research skills or a high level of expertise in the field of study from a broad perspective.

The doctoral program aims to enable students to acquire advanced research skills and profound academic knowledge that are the foundations for conducting independent research activities as researchers or engaging in other highly specialized work in their field of study.

2. Educational and research objectives of the graduate program

The master's program of the Graduate School of Science aims to enable students to gain a wide range of knowledge, concepts, and methods in natural science, as well as develop research skills and flexible problem-solving and presentation skills. It also aims to train students to become researchers, educators, and engineers with an international perspective, creativity, and applicable skills.

The doctoral program of the Graduate School of Science aims to enable students to gain advanced knowledge, concepts, and methods in natural science as well as develop independent research skills and the ability to explore and discover mid- to long-term projects and issues. It also aims to train students to become researchers, educators, and engineers with international leadership, outstanding creativity, and applicable skills.

3. Structure of the graduate school

The Graduate School of Science consists of the following majors:

Master's program	Mathematical Sciences	Doctoral program	Mathematical Sciences
	Physics		Physics
	Chemistry		Chemistry
	Biological Sciences		Biological Sciences

4. Educational and research objectives of the Graduate School of Science

<u>Mathematical Sciences</u>

The Department of Mathematical Sciences aims to develop competent individuals with advanced knowledge of mathematics and applied mathematics as well as flexible and original mathematical and scientific thinking skills. It also aims to develop those who can solve various issues in natural science and modern information society while being aware of the importance of mathematical science as a foundation of science.

Upon completing the master's program, students will acquire:

(1) Advanced technical knowledge in mathematical sciences and flexible mathematical thinking skills
(2) The ability to initiate projects and conduct research in a systematic manner independently or under the guidance of the graduate advisor
(3) The ability to clearly express the research findings and the ability to discuss with other researchers

Upon completing the doctoral program, students will acquire:

(1) Advanced technical knowledge in mathematical sciences and flexible and original mathematical thinking

skills

(2) The ability to conduct original research activities as independent researchers with an international perspective

(3) The ability to objectively evaluate the significance of their own research and its position in society

Physics

The Department of Physics aims to develop individuals with advanced knowledge and research skills in physics covering the natural world extensively, including elementary particles, substances with various structures, and the universe. It also aims to develop competent individuals who can lead the next generation of advanced science and solve various social and environmental issues based on science.

The master's program aims to develop researchers, professional engineers, and educators specializing in physics as a basis for science and technology, who have basic knowledge in physics and a global perspective and interact with other natural science fields. In order to achieve these objectives, students will acquire:

(1) The basic knowledge necessary for conducting research in physics as well as logical thinking and practical research methods.

(2) The ability to initiate research projects in each field of physics, solve problems, and conduct research individually or under the graduate advisor's guidance, as well as the ability to write logically organized papers and present the research findings.

(3) The ability to discuss with other researchers and the ability to present research findings from a broad perspective.

The doctoral program aims to develop individuals to be independent researchers and research supervisors who can conduct leading research activities in the global arena. The students will develop broad insights into fundamental and applied physics while having the social responsibilities associated with research in mind. The students will acquire:

(1) The extensive knowledge, logical thinking, and practical research methods necessary to identify advanced and important research projects in physics.

(2) The ability to initiate unique research projects in each field of physics, plan and conduct research, and develop the ability to deliver adequate research findings, write the original papers, and publish them in international journals.

(3) The ability to conduct research projects as an independent researcher, engage in international research discussions, and widely present the findings and significance of the research, and associate the research projects with society.

Chemistry

Chemistry is the essential study of natural science that we explore to understand nature at the atomic and molecular levels and the properties and changes of matter. In recent years, chemistry has been significantly integrated with other fields of natural science, ranging from the development of materials such as electronic devices to space, life, and environmental issues. The Department of Chemistry aims to develop chemical researchers, engineers, and educators with extensive knowledge and understanding of chemistry, and a high level of expertise and the ability to make judgments in a broad and comprehensive manner beyond their specialties.

The master's program aims to develop a wide range of basic academic skills in chemistry and the ability to independently initiate research projects, organize the findings in papers, and present them at academic conferences, etc. Students will also develop the ability to perceive issues from a broad perspective and acquire the basic skills for research and providing guidance on technological and educational issues in their specialized fields. Through this program, students will acquire:

(1) The basic knowledge necessary for conducting research in chemistry as well as logical thinking and practical research methods.

(2) The ability to initiate research projects in each field of chemistry, solve problems, and conduct research individually or under the graduate advisor's guidance, as well as the ability to write logically organized papers and present the research findings.

(3) The ability to discuss with other researchers and the ability to present research findings from a broad perspective.

The doctoral program aims to develop individuals who can independently identify and develop research projects from a broad perspective and organize the findings in papers at the international level. The program is also designed to develop individuals who can play active roles in international settings, presenting the research findings at international conferences and providing technical and educational guidance from a broad perspective. The students will acquire:

(1) The extensive knowledge, logical thinking, and practical research methods necessary to identify advanced and important research projects in chemistry.

(2) The ability to initiate unique research projects in each field of chemistry, plan and conduct research, and develop the ability to deliver adequate research findings, write the original papers, and publish them in international journals.

(3) The ability to conduct research projects as an independent researcher, engage in international research discussions, and widely present the findings and significance of the research, and associate the research projects with society.

Biological Sciences

The Department of Biological Sciences aims to develop graduate students with creative research skills, actively engaging in new projects through biological sciences.

The master's program aims to develop the basic skills to set objectives and methods and identify problems independently to understand the basic mechanisms of the growth of organisms, higher-order structures, behavior, and ecology. The program also aims to train students to become researchers, educators, and developers with global perspectives and communication skills to play active roles in Japan and in the international arena.

The doctoral program aims to develop the basic and applicable skills to set objectives and methods and identify problems independently to understand the basic mechanisms of the growth of organisms, higher-order structures, behavior, and ecology. The program also aims to train students to become researchers, educators, and developers with global perspectives and communication skills to play active roles as leaders in Japan and in the international arena.

5. Certification of the program completion

Master's program

In order to complete the master's program, students must complete the two-year enrollment period by attending regular classes, acquiring 30 or more credits of required courses in the master's program, submitting a thesis, and taking the final examination. In this case, if the graduate advisor considers it academically beneficial, up to 10 credits out of the 30 credits may be used as required credits by taking the following courses as prescribed by the graduate school:

- Non-major courses in the graduate program,
- Major courses in other graduate programs, or
- Undergraduate courses

(Collectively referred to as "non-major courses that can fulfill the major's requirements.")

As for the enrollment period for those who are recognized as delivering excellent research results, enrollment in the master's program for one year or more satisfies the requirement. (referred to as "completion with a shortened period of enrollment").

Doctoral program

In order to complete the doctoral program, the students must complete the three-year enrollment period by attending regular classes, acquiring 20 or more credits in the required courses in the doctoral program, submitting a dissertation, and taking the final examination.

As for the enrollment period for those who are recognized as delivering exceptional research results, enrollment in the doctoral program for one year or more shall satisfy

the requirement. However, for those who have completed the master's program with one-year enrollment, two-year enrollment satisfies the completion requirement of the doctoral program. (referred to as "completion with a shortened period of enrollment").

6. Years of the enrollment period

The regular enrollment period for the master's program shall be two years, and the regular enrollment period for the doctoral program shall be three years.

The enrollment period in the master's program shall not exceed four years, and the enrollment period in the doctoral program shall not exceed six years. However, when exceptionally approved by the Graduate Faculty Committee under particular circumstances, the student may stay enrolled beyond the regular enrollment period.

7. The long-term enrollment system

Students who need to plan the enrollment for a certain period beyond the regular enrollment period stated in “6. Years of the enrollment period” under certain circumstances (employment, childbirth, childcare, nursing care, etc.) may apply for long-term enrollment to be reviewed by the Graduate Faculty Committee. The period for long-term enrollment is either 3 or 4 years for the master's program and 4, 5, or 6 years for the doctoral program from the first day of enrollment. In this case, tuition fees will be calculated by dividing the total tuition fees for the regular enrollment period by the number of admitted years for the long-term enrollment. The application for current students will be accepted during the first year of the master's program and during the first and second year of the doctoral program. The details of the application period, qualifications, and application form will be announced separately.

8. Degrees

In order to complete the master's program or doctoral program and obtain respective degrees, students must earn the required credits for accredited courses as described in section 6 above and pass the thesis/dissertation examination and the final examination.

9. Credit acceptance and grades on academic achievement

Credit for courses shall be granted at the end of each semester or academic year based on absolute evaluation of written or oral examinations or research reports, which are scored in accordance with the standards for each course as stated in the “Course Outline (Syllabus)”. As a general rule, grading of academic achievement is based on a five-point grade scale, with the top four grades passing.

Grade	Transcript		Credit	Assessment standard of academic achievement	100-point grading scale (approx.)
5	Outstanding	S	○	Goal attainment has been satisfactorily achieved and is outstanding.	90 points or above
4	Excellent	A	○	Goal attainment has been satisfactorily achieved.	80 - 89 points
3	Good	B	○	Goal attainment has been achieved.	70 - 79 points
2	Satisfactory	C	○	Minimal goal attainment has been achieved.	60 - 69 points
1	(Hidden)		×	Goal attainment has not been achieved.	59 points or less
0	(Hidden)		×	Not subject to assessment	

10. Course enrollment

(1) After admission to the graduate school, each student shall be assigned a professor (hereinafter referred to as a "graduate/doctoral advisor") who will provide guidance to the student.

(2) At the beginning of each academic year, students shall apply to attend courses for the academic year according to the instructions and need to be admitted for the course enrollment.

(3) Students shall receive guidance from their respective graduate/doctoral advisors on selecting courses, writing theses/dissertations, and conducting research.

(4) When the graduate/doctoral advisor deems it necessary, the student may take specified courses. (However,

non-major courses within the graduate program, major courses of other graduate programs, or undergraduate courses [collectively referred to as "non-major courses] that can fulfill the major's requirements will not be counted toward the credits required for course completion. Only "non-major courses that can fulfill the major's requirements" will be counted toward the credits required for course completion.)

The approval of the Graduate Faculty Committee or Graduate Academic Affairs Committee is required for one of the following two cases:

(1) When the student takes "non-major courses that can fulfill the major's requirements."
(2) When a student becomes a non-degree student to take undergraduate courses required for teacher certification or curator qualification.

The procedures and schedule for course registration for the 2024 academic year are as follows:

- In general, students register for courses through the student portal site by logging in. (https://jjh.tmu.ac.jp/)
- Select the courses with 5-digit course numbers starting with "R".
- “Non-major courses” should not be registered for unless otherwise approved by the Graduate Faculty Committee or Graduate Academic Affairs Committee.

The course registration schedules are as follows:

- Courses offered throughout the year and regular and intensive courses in the first semester
  Registration period: April 15 – April 22, 2024
  Registration confirmation/change deadline: April 24, 2024 at 5:00 p.m.
- The registration schedule for regular and intensive courses offered in the second semester will be posted on kibaco when it is decided.
- Intensive courses that start in the middle of the academic year will be notified on kibaco. Students must register for courses by the designated date (by one week before the first day of the class session, in principle).

11. Questions about grades

For any questions about the course grades in the Graduate School of Science, students shall notify at the window of the Academic Affairs Section of Science within 7 days from the date of grade disclosure (including Saturday, Sunday, and public holidays), fill out the prescribed form, and submit it to them.

12. Academic leave of absence, return to school, withdrawal, and removal

Leave of absence

(1) When a student cannot attend courses for six months or more due to illness or other reasons, the student may apply for a leave of absence to the provost.
(2) A medical leave of absence application must be accompanied by the medical record from the doctor.
(3) A leave of absence cannot exceed one year. However, in the case of special circumstances, an extension of leave of absence may be granted for up to one year.
(4) The leave of absence cannot exceed three years in total for each program.
(5) The period of absence is not counted toward the required years of enrollment.
(6) The period of absence is not counted toward the period of enrollment.
(7) A student needs to repeat the grade in principle after the leave of absence. However, the student will move up to the next grade if the following requirements are met.

Academic year	1st year	2nd year*
Enrollment period	12 months or more	24 months or more

* Applicable to the doctoral program only.

Return to school

When the leave of absence period ends or a student no longer needs to take a leave of absence, the student may apply for permission to return to school to the provost.

Withdrawal

(1) In order to withdraw from the school, a student must submit the form to the provost to obtain permission.
(2) If a student has exceeded the allowed enrollment period or is unable to return to school after a leave of absence, the provost shall advise the student to withdraw from school based on the Faculty Committee's decision.

Expulsion

If a student fails to pay tuition even after the reminder, the provost shall expel the student from school based on the Faculty Committee's decision.

Payment of tuition

(1) Tuition during the leave of absence will be waived. However, if the leave of absence or return of school starts in the middle of the first or second semester, the student is obliged to pay the tuition for the entire semester.
(2) If a student is allowed to leave school or advised to withdraw or be expelled from school, the student is obliged to pay the tuition for the entire semester.

Others

In general, the request for a leave of absence, return to school, or withdrawal from school must be submitted to the Academic Affairs Section of Science no later than one month before the date of the leave, return, or withdrawal.

13. Research guidance at other graduate schools or research institutes, etc.

If the provost finds that it is academically beneficial for a student, the student may be allowed to receive research guidance at another graduate school or research institute, etc., after having the Graduate Faculty Committee's approval and an agreement or discussion with the other graduate school or institution. (For more information, consult with your graduate/doctoral advisor or the Academic Affairs Section of Science.)

14. Courses for teacher certification

In principle, each student must complete at least 24 credits of the major-specific courses (excluding general courses for all majors) Each major has different requirements of courses that can be counted for 24 credits. Therefore, each student shall consult with the Academic Affairs Section of Science for confirmation. Note that non-major courses that can fulfill the major's requirements and related courses cannot be counted toward the credits for this purpose.

15. General courses for all graduate programs (Graduate school career courses)

These courses are offered by the University Education Center for the purpose of career development of graduate students and are available for all graduate students (master's and doctoral programs).

However, credits from these courses cannot be counted as required credits for program completion. For the detailed course descriptions of the General courses for all graduate programs, see the website of the Career Support Division (https://career.tmu.ac.jp/for_doctoral/rikei_doctorcareer.html) and the Course syllabus.

16. Approval of previously earned credits

Students who have completed or dropped out of other graduate schools, or who have earned credits as a non-degree student, and who are newly admitted to the first year after passing the entrance examination for the

Graduate School of Science of TMU, may be granted up to 10 credits in total if the credits they have earned are educationally beneficial and their academic ability is deemed adequate.

Students who wish to receive credits from TMU for the credits that they already earned elsewhere must apply to the Academic Affairs Section of Science and submit the necessary documents within one month of enrollment.

Research Guidance Plan (Academic year 2024)

1. Master's program (March completion)

(1) Mathematical Sciences

First-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Determination of the graduate advisor • Preparation and submission of the Research guidance plan sheet • Course registration
April - September	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
September	• Presentation of the Master's thesis research plan
October	• Course registration
October - March	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Preparation and submission of the Research guidance plan sheet • Course registration
April - September	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
September	• Master thesis interim presentation
October	• Course registration
October - January	• Research progress report to the advisor (Frequency: Once every two weeks) • Guidance on a master's thesis writing (Frequency: Once a week)
January	• Master's degree application
February	• Final examination
March	• Deliberation at the Graduate Faculty Committee • Degree conferment

(2) Physics

First-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Determination of the graduate advisor • Course registration
April - September	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
October	• Course registration
October - March	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Course registration
April - September	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
October	• Course registration
October - January	• Research progress report to the advisor (Frequency: Once every two weeks) • Guidance on a master's thesis writing (Frequency: Once a week)
January	• Master’s degree application, master’s thesis submission • Master’s thesis presentation
February	• Summary of research theme
March	• Deliberation at the Graduate Faculty Committee • Degree conferment

(3) Chemistry

First-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Determination of the graduate advisor • Course registration • Checking the research content and plan with the advisor
April - August	• Research progress check by the advisor
September	• Grade assessment of the first-semester courses
October	• Course registration
October - February	• Research progress check by the advisor
February	• Grade assessment of the second-semester courses

Second-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Course registration
April August	• Research progress check by the advisor
September	• Grade assessment of the first semester courses
October	• Course registration
October - February	• Research progress check by the advisor
January	• Appointment of the sub-examiners by the advisor (chief examiner) • Master’s degree application
February	• Master's thesis review by the chief and sub-examiners • Master's thesis oral presentation
March	• Deliberation at the Graduate Faculty Committee • Degree conferment

(4) Biological Sciences

First-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Participation in the Orientation guidance • Determination of the graduate advisor • Course registration
April - May	• Guidance on deciding on a research theme (Frequency: Once a week) • Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
June - September	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
June	• Determination of the sub-graduate advisor
September	• Preparation of the Research plan report, discussion with graduate and sub-graduate advisors, submission of the Research plan report
October	• Course registration
October - March	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Course registration
May	• Preparation of the Research plan report, discussion with graduate and sub-graduate advisors, submission of the Research plan report
April - September	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
October	• Course registration
October - January	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
January	• Master's degree application • Thesis presentation (disclosed)
February	• Final examination
March	• Deliberation at the Graduate Faculty Committee • Degree conferment

2. Master’s program (September completion)

(1) Mathematical Sciences

First-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Determination of the graduate advisor • Preparation and submission of the Research guidance plan sheet • Course registration
October - March	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
March	• Presentation of the Master's thesis research plan
April	• Course registration
April - September	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Preparation and submission of the Research guidance plan sheet • Course registration
October - March	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
March	• Master thesis interim presentation
April	• Course registration
April - July	• Research progress report to the advisor (Frequency: Once every two weeks) • Guidance on a master's thesis writing (Frequency: Once a week)
July	• Master’s degree application
August	• Final examination
September	• Deliberation at the Graduate Faculty Committee • Degree conferment

(2) Physics

First-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Determination of the graduate advisor • Course registration
October - March	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
April	• Course registration
April - September	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Course registration
October - March	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
April	• Course registration
April - July	• Research progress report to the advisor (Frequency: Once every two weeks) • Guidance on a master's thesis writing (Frequency: Once a week)
July	• Master’s degree application, master’s thesis submission • Master’s thesis presentation
August	• Summary of research theme
September	• Deliberation at the Graduate Faculty Committee • Degree conferment

(3) Chemistry

First-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Determination of the graduate advisor • Course registration • Checking the research content and plan with the graduate advisor
October - February	• Research progress check by the advisor
February	• Grade assessment of the second-semester (fall semester) courses
April	• Course registration
April - August	• Research progress check by the advisor
September	• Grade assessment of the first-semester (spring semester) courses

Second-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Course registration
October - February	• Research progress check by the advisor
February	• Grade assessment of the second-semester (fall semester) courses
April	• Course registration
April - August	• Research progress check by the advisor
July	• Appointment of the sub-examiners by the advisor (chief examiner) • Master’s degree application
August	• Master's thesis review by the chief and sub-examiners • Master's thesis oral presentation
September	• Deliberation at the Graduate Faculty Committee • Degree conferment

(4) Biological Sciences

First-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Participation in the Orientation guidance • Determination of the graduate advisor • Course registration
October - November	• Guidance on deciding on a research theme (Frequency: Once a week) • Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
December - March	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
December	• Determination of the sub-graduate advisor
March	• Preparation of the Research plan report, discussion with graduate and sub-graduate advisors, submission of the Research plan report
April	• Course registration
April - September	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Course registration
November	• Preparation of the Research plan report, discussion with graduate and sub-graduate advisors, submission of the Research plan report
October - March	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
April	• Course registration
April - July	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once a week) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
July	• Master's degree application • Thesis presentation (disclosed)
August	• Final examination
September	• Deliberation at the Graduate Faculty Committee • Degree conferment

3. Doctoral program (March completion)

(1) Mathematical Sciences

First-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Determination of the doctoral advisor • Preparation and submission of the Research guidance plan sheet • Course registration
April - September	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once every one to two weeks) • Research progress report to the advisor (Frequency: Once a month) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
October	• Course registration
October - March	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once every one to two weeks) • Research progress report to the advisor (Frequency: Once a month) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Preparation and submission of the Research guidance plan sheet • Course registration
April - September	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once every one to two weeks) • Research progress report to the advisor (Frequency: Once a month) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months) • Guidance on academic paper submission and academic conference presentation (as necessary)
October	• Course registration
October - March	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once every one to two weeks) • Research progress report to the advisor (Frequency: Once a month) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months) • Guidance on academic paper submission and academic conference presentation (as necessary)

Third-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Preparation and submission of the Research guidance plan sheet • Course registration
April - September	• Research progress report to the advisor (Frequency: Once every two weeks) • Guidance on preparing a doctoral dissertation writing (Frequency: Once a month) • Guidance on academic paper submission and academic conference presentation (as necessary)
September	• Doctoral dissertation interim presentation • Application for the Preliminary dissertation review
October	• Course registration
October - November	• Guidance on a doctoral dissertation writing (Frequency: Once a week)
November	• Preliminary dissertation review
December	• Doctoral degree application
January	• Final examination (Doctoral dissertation public defense)
March	• Deliberation at the Graduate Faculty Committee • Degree conferment

(2) Physics

First-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Determination of the doctoral advisor • Course registration
April - September	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
October	• Course registration
October - March	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Course registration
April - September	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
October	• Course registration
October – March	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Third-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Course registration
April - September	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
October	• Course registration
October - December	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
December	• Preliminary dissertation review • Doctoral degree application, doctoral dissertation submission
January	• Preparation for the Doctoral dissertation public defense
February	• Doctoral dissertation public defense, Final examination
March	• Deliberation at the Graduate Faculty Committee • Degree conferment

(3) Chemistry

First-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Determination of the doctoral advisor • Course registration • Checking the research content and plan with the advisor
April - August	• Research progress check by the advisor
September	• Grade assessment of the first-semester courses
October	• Course registration
October - February	• Research progress check by the advisor
February	• Grade assessment of the second-semester courses

Second-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Course registration
April - August	• Research progress check by the advisor
September	• Grade assessment of the first-semester courses
October	• Course registration
October - February	• Research progress check by the advisor
February	• Grade assessment of the second-semester courses

Third-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Course registration
April - August	• Research progress check by the advisor
June - July	• Interim presentation of the doctoral dissertation to all faculty members in the Department
September	• Grade assessment of the first-semester courses
October	• Course registration
December	• Doctoral degree application
December - January	• Appointment of the sub-examiners by the advisor, Preliminary dissertation review
January	• Doctoral dissertation public defense, review by the faculty members in the Department
March	• Deliberation at the Graduate Faculty Committee • Degree conferment

(4) Biological Sciences

First-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Participation in the Orientation guidance • Determination of the doctoral advisor • Course registration
April - September	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
October	• Course registration
October - March	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Course registration
April - September	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
October	• Course registration
October - March	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)

Third-year

Time	Instructional content and methods, administrative procedures, etc.
April	• Course registration
April – September	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
October	• Course registration
October - November	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
November	• Doctoral dissertation presentation (disclosed) • Doctoral dissertation examination committee
December	• Doctoral degree application
July - February	• Doctoral dissertation public defense
February	• Submission of the Dissertation abstract
March	• Deliberation at the Graduate Faculty Committee • Degree conferment

4. Doctoral program (September completion)

(1) Mathematical Sciences

First-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Determination of the doctoral advisor • Preparation and submission of the Research guidance plan sheet • Course registration
October - March	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once every one to two weeks) • Research progress report to the advisor (Frequency: Once a month) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
April	• Course registration
April - September	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once every one to two weeks) • Research progress report to the advisor (Frequency: Once a month) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Preparation and submission of the Research guidance plan sheet • Course registration
October - March	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once every one to two weeks) • Research progress report to the advisor (Frequency: Once a month) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months) • Guidance on academic paper submission and academic conference presentation (as necessary)
April	• Course registration
April - September	• Acquiring special knowledge of the main and related research themes, receiving guidance on the direction of research, and developing research skills and methods (Frequency: Once every one to two weeks) • Research progress report to the advisor (Frequency: Once a month) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months) • Guidance on academic paper submission and academic conference presentation (as necessary)

Third-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Preparation and submission of the Research guidance plan sheet • Course registration
October - March	• Research progress report to the advisor (Frequency: Once every two weeks) • Guidance on preparing a doctoral dissertation writing (Frequency: Once a month) • Guidance on academic paper submission and academic conference presentation (as necessary)
March	• Doctoral dissertation interim presentation • Application for the Preliminary dissertation review
April	• Course registration
April - May	• Guidance on a doctoral dissertation writing (Frequency: Once a week)
May	• Preliminary dissertation review
June	• Doctoral degree application
July	• Final examination (Doctoral dissertation public defense)
September	• Deliberation at the Graduate Faculty Committee • Degree conferment

(2) Physics

First-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Determination of the doctoral advisor • Course registration
October - March	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
April	• Course registration
April - September	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Course registration
October - March	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
April	• Course registration
April - September	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)

Third-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Course registration
October - March	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
April	• Course registration
April - June	• Guidance on experiments or theoretical calculations regarding the main and related research theme (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every two months)
June	• Preliminary dissertation review • Doctoral degree application, doctoral dissertation submission
July	• Preparation for the Doctoral dissertation public defense
August	• Doctoral dissertation public defense, Final examination
September	• Deliberation at the Graduate Faculty Committee • Degree conferment

(3) Chemistry

First-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Determination of the doctoral advisor • Course registration • Checking the research content and plan with the advisor
October - February	• Research progress check by the advisor
February	• Grade assessment of the second-semester (fall semester) courses
April	• Course registration
April - August	• Research progress check by the advisor
September	• Grade assessment of the first-semester (spring semester) courses

Second-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Course registration
October - February	• Research progress check by the advisor
February	• Grade assessment of the second-semester (fall semester) courses
April	• Course registration
April - August	• Research progress check by the advisor
September	• Grade assessment of the first-semester (spring semester) courses

Third-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Course registration
October - February	• Research progress check by the advisor
December - January	• Interim presentation of the doctoral dissertation to all faculty members in the Department
February	• Grade assessment of the second-semester (fall semester) courses
April	• Course registration
June	• Doctoral degree application
June - July	• Appointment of the sub-examiners by the advisor (chief examiner), Preliminary dissertation review
July	• Doctoral dissertation public defense, review by the faculty members in the Department
September	• Deliberation at the Graduate Faculty Committee • Degree conferment

(4) Biological Sciences

First-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Participation in the Orientation guidance • Determination of the doctoral advisor • Course registration
October - March	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
April	• Course registration
April - September	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)

Second-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Course registration
October - March	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
April	• Course registration
April - September	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)

Third-year

Time	Instructional content and methods, administrative procedures, etc.
October	• Course registration
October - March	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
April	• Course registration
April - May	• Guidance on experiments, practical training, and scientific research (data collection) regarding the main and related research themes (Frequency: Once a week) • Research progress report to the advisor (Frequency: Once every two weeks) • Results briefing at the laboratory meeting or seminar (Frequency: Once every one to two months)
June	• Doctoral dissertation presentation (disclosed) • Doctoral dissertation examination committee • Doctoral degree application
July - August	• Doctoral dissertation public defense
August	• Submission of the Dissertation abstract
September	• Deliberation at the Graduate Faculty Committee • Degree conferment

Notes on Course Registration

[General Courses for All Majors]

Of general courses, "Selected Topics in Physics and Chemistry I" and "Selected Topics in Physics and Chemistry II" are considered to be courses for Physics and Chemistry majors.

All other courses are considered to be general courses for all majors.

Students may retake the same course for the following courses if the respective courses provide different subject matter.

- Selected Topics in Physics and Chemistry I
- Selected Topics in Physics and Chemistry II

[Mathematical Sciences]

(Master's program)

1. “Exercises in Mathematical Sciences” is a required course for the master's program in the Graduate School of Science.
2. “Seminar in Mathematical Sciences” is a required course for the master's program in the Graduate School of Science. The first-year students should take the course first.
3. As for the courses marked with an asterisk (*) in the Graduate school course catalog (for Mathematical Sciences of the Graduate School of Science), students may retake the same course if the respective courses provide different subject matter.

(Doctoral program)

1. “Advanced Seminar in Mathematical Sciences” is a required course for the doctoral program in the Graduate School of Science. The first-year students should take the course first.
2. As for the courses marked with an asterisk (*) in the Graduate school course catalog (for Mathematical Sciences of the Graduate School of Science), students may retake the same course if the respective courses provide different subject matter.

[Physics]

(Master's program)

1. The following courses are required for the master's degree.
   For theoretical physics:
   - Advanced Seminar in Physics I–IV and
   - Advanced Practice in Physics I–IV

   For experimental physics:
   - Advanced Seminar in Physics I–IV and
   - Advanced Experiment in Physics I–IV

   Courses I to IV should be taken in order. These courses cannot be taken at the same time.
2. For the following courses, students may retake the same course if the respective courses provide different subject matter.
   - Special Lecture in Physics I
   - Special Lecture in Physics II
   - Selected Topics in Physics I
   - Selected Topics in Physics II
   - External Experience in Physics
   - Internship in Physics
3. For courses offered both in the undergraduate and graduate programs, students are not allowed to take the same course already taken in the undergraduate program if the course provides the same subject matter.
4. For students who are admitted for early completion due to their outstanding research achievements, some of the requirements in Section 1 above may be waived.

(Doctoral program)

1. The following courses are required for the doctorate.
   For theoretical physics:
   - Advanced Practice in Physics V–VIII

   For experimental physics:
   - Advanced Experiment in Physics V–VIII

   Courses V to VIII should be taken in order. These courses cannot be taken at the same time. Students for theoretical physics can take Advanced Practice in Physics IX after taking Advanced Practice in Physics VIII, and students for experimental physics can take Advanced Experiment in Physics IX after taking "Advanced Experiment in Physics VIII."
2. For the following courses, students may retake the same course if the respective courses provide different subject matter.
   - Special Lecture in Physics I
   - Special Lecture in Physics II
   - Selected Topics in Physics I
   - Selected Topics in Physics II
   - External Experience in Physics
   - Internship in Physics
3. For courses offered both in the master's and doctoral programs, students are not allowed to take the same courses already taken in the master's program if the course provides the same subject matter.
4. For students who are admitted for early completion due to their outstanding research achievements, some of the requirements in Section 1 above may be waived.

[Chemistry]

(Master's program)

1. The following courses are required for the master's degree.
   - Advanced Research of Chemistry IA, IB, IIA, IIB, and
   - Seminar on Advanced Chemistry I, II

   No credit will be added when taking the same Advanced Research of Chemistry course more than once. In principle, Advanced Research of Chemistry I A and I B should be taken in the first year, and Advanced Research of Chemistry II A and II B should be taken in the second year. Also, students admitted in April should take Seminar on Advanced Chemistry I in the first semester and Seminar on Advanced Chemistry II in the second semester. Likewise, students admitted in October should take Seminar on Advanced Chemistry I in the second semester and Seminar on Advanced Chemistry II in the first semester.
2. The subject matter of Advanced Theoretical Chemistry considers graduate students of other majors. In order to acquire a solid knowledge in non-major subjects, students majoring in chemistry are required to take two or more units from each of the following groups, for a total of eight or more units to meet the master's degree requirement.

   Group 1: Advanced Inorganic Chemistry, Advanced Geo-and Cosmochemistry

   Group 2: Advanced Organic Chemistry, Advanced Biological Chemistry

   Group 3: Advanced Molecular Spectroscopy, Advanced Physical Chemistry of Condensed Matter, Advanced Theoretical Chemistry
3. Lecture of Advanced Chemistry I is given by guest lecturers to explain basics by sharing their latest research and topics on their expertise. Students are encouraged to take this course to acquire broader knowledge.
4. In general, students are not allowed to take the same course more than once but may retake the same course for the following courses and earn credits if the course provides different subject matter.
   - Lecture of Advanced Chemistry I
   - Lecture of Advanced Chemistry II
   - External Experience in Chemistry
   - Internship in Chemistry
   - Seminar on Advanced Chemistry I, II

(Doctoral program)

1. The following courses are required for the doctorate.
   - Advanced Research of Chemistry IIIA, IIIB, IVA, IVB and
   - Seminar on Advanced Chemistry III, IV

   No credit will be added when taking the same Advanced Research of Chemistry course more than once. In principle, Advanced Research of Chemistry IIIA and IIIB should be taken in the first year, and Advanced Research of Chemistry IV A and IV B should be taken in the second year. Also, students admitted in April should take Seminar on Advanced Chemistry III in the first semester and Seminar on Advanced Chemistry IV in the second semester. Likewise, students admitted in October should take Seminar on Advanced Chemistry III in the second semester and Seminar on Advanced Chemistry IV in the first semester.
2. Lecture of Advanced Chemistry I is given by guest lecturers to explain basics by sharing their latest research and topics on their expertise. Students are encouraged to take this course to acquire broader knowledge.
3. In general, students are not allowed to take the same course more than once but may retake the same course for the following courses and earn credits if the course provides different subject matter.
   - Lecture of Advanced Chemistry I
   - Lecture of Advanced Chemistry II
   - External Experience in Chemistry
   - Internship in Chemistry
   - Seminar on Advanced Chemistry III, IV

However, courses common to the master's program may not be taken if a student has already earned credits for the course during their master's program and that provides the same subject matter as when they earned the course credits.

[Biological Sciences]

1. Biological Sciences offers the following courses:
   - Advanced Experimental Techniques in Biological Sciences (2 units)
   - Seminar in Biological Sciences (2 units)
   - Special Course in Biological Sciences (1 or 2 units)
   - Advanced Lecture on Biological Sciences (2 units)
   - Special Lecture on Biological Sciences (1 unit)
   - Special Seminar in Biological Sciences (1 unit)
   - Special Experiment in Biological Sciences (1 unit)
   - Special Practice in Biological Sciences (2 units)
   - Practice in Biological Sciences (Radioisotope Techniques; 1 unit)
   - External Experience in Biological Sciences (1 or 2 units)
   - Internship in Biological Sciences (1 or 2 units)

2. Advanced Experimental Techniques in Biological Sciences and Seminar in Biological Sciences will be offered at respective research laboratories. For the following courses, the subject matter and lecture format consider graduate students of other majors.
   - Special Course in Biological Sciences
   - Advanced Lecture on Biological Sciences
   - Special Lecture on Biological Sciences
   - Special Seminar in Biological Sciences
   - Special Experiment in Biological Sciences
   - Special Practice in Biological Sciences
   - Practice in Biological Sciences (Radioisotope Techniques)

   Advanced Lecture courses focus on the basic subject matter at the master's level in each field. Special Lecture courses provide the more specialized and advanced subject matter in each field. Special Practice courses are offered when there is a particular need.

3. In general, classes start on schedule. However, Advanced Experimental Techniques in Biological Sciences courses may be held on an irregular schedule based on the research topic. If a student spends a large amount of time on activities at off-campus research institutions and field research, the student may be allowed to complete the course by submitting home assignments and reports. The same can be applied to graduate students who work full-time and have a hard time attending classes. Students who require such arrangements should consult the graduate/doctoral advisor and the course instructor in advance.

4. Graduate students' off-campus learning activities may be approved as completing the Special Experiment in Biological Sciences (Experimental Techniques) or Internship in Biological Sciences course after the review of the Academic Affairs Committee based on the student or graduate/doctoral advisor's request.

5. Registration is required for all courses. Students may retake the same course (lecture, practice, experiment, or seminar that has the same name) more than once if respective courses provide different subject matter. The credit hours of both courses will be added.

6. Some of the special lectures on Biological Sciences require the recommendation of the graduate/doctoral advisor and the approval of the Academic Affairs Committee of the department. It is recommended that students select the course carefully, considering the specialized field of each student. Read the syllabus of each course carefully.

7. Note that some credits may be transferred from Ochanomizu University.

8. It is strongly recommended that students take at least one of the following courses:
   - Biology Course in Planning and Management
   - Biology Course in International Research Experiences
   - Biology Course in Research Evaluation

(Master's program)

1. In order to complete the master's program, a total of 30 or more credits are required. Of these credits, 20 or more credits must be earned in courses other than Seminar in Biological Sciences or Advanced Experimental Techniques in Biological Sciences offered by the research laboratory where the student belongs.
2. Upon approval of the Academic Affairs Committee of the department, up to 10 credits from graduate courses outside of Biological Sciences can be considered as credits earned in courses other than Seminar in Biological Sciences or Advanced Experimental Techniques in Biological Sciences offered by the research laboratory where the student belongs mentioned above. Also, upon approval of the graduate advisor and the Academic Affairs Committee of the department, up to 10 credits from undergraduate courses can be considered as credits earned in courses other than Seminar in Biological Sciences or Advanced Experimental Techniques in Biological Sciences offered by the research laboratory where the student belongs mentioned above. However, a total of up to 10 credits are allowed from non-major courses and courses other than Seminar in Biological Sciences or Advanced Experimental Techniques in Biological Sciences offered by the research laboratory where the student belongs.
3. In principle, for Seminar in Biological Sciences and Advanced Experimental Techniques in Biological Sciences, students shall take only the courses offered in the research laboratory where the student is assigned. We encourage students to take four or more advanced courses as well as the Special Seminar in Biological Sciences.
4. Since students will need to spend time working on the master's thesis in the second year, we encourage students to earn about two-thirds of the required credits in the first year.

(Doctoral program)

1. In order to complete the doctoral program, a total of 20 or more credits from doctoral courses are required. We encourage students to earn eight or more credits from courses other than Seminar in Biological Sciences or Advanced Experimental Techniques in Biological Sciences offered by the research laboratory where the student belongs.
2. Students are not allowed to retake the same course that was taken in the master's program.
3. In principle, for Seminar in Biological Sciences and Advanced Experimental Techniques in Biological Sciences, students shall take only the courses offered in the research laboratory where the student belongs. We encourage students to take the Special Seminar in Biological Sciences.

General Courses for All Graduate Programs
[Master's Program | Doctoral Program]

<Graduate School Career Courses>

Since 2019, the Graduate School has been progressively introducing career development courses for the General courses for all graduate programs. It is crucial for students to consider how their research objectives align with their future careers, whether they intend to work in a private company, a university/research institution, or pursue a doctoral program after completing their master's degree. This ensures that the knowledge and skills gained through research activities are valuable for the student's next steps. Therefore, our program offers career courses for graduate students to equip them with the mindset and skills necessary for their career development.

<Notes>

1. The University regularly updates details of the career courses on its website. Information can be found at the following URL or QR code: https://career.tmu.ac.jp/for_doctoral/rikei_doctorcareer.html (Japanese).
2. The career courses are available to both master's and doctoral graduate students.
3. While the career courses offer credits, they do not count towards the credits required for completion of the master's program and doctoral program.

Course Catalog for 2024 General Courses for All Graduate Programs (Graduate School Career Courses)

Course Number	Course Name	Credit Hours	Instructor(s)	Semester	Day	Period	Note
M: W0500 D: W0600	Career Development for Graduate Students in Science and Engineering	1	Yuji Hayashi University Education Center	2nd A	Mon.	5th	Course registration will be accepted in the first-class meeting.
M: W0515 D: W0615	Intellectual Property Management in Companies	1	Mami Yoshikawa (Part-time instructor) University Education Center	2nd B	Thu.	5th	Course registration will be accepted in the first-class meeting.
(2 units) M: W0510 D: W0610 (1 unit) M: W0511 D: W0611	Research Internships for Graduate Students	2 or 1	Masahiko Ikeuchi (Part-time instructor) University Education Center	Intensive course III			-
M: W0520 D: W0620	Academic Communication for Graduate Students	1	Nahoko Kasai Wakako Fushikida Matthew, Joel University Education Center	Intensive III			Course registration information will be available on kibaco and the University's website in April.

* Course Number: M = master's courses, D = doctoral courses
* Semester: 1st B =The course is offered in the first half of the second semester. 2nd B = The course is offered in the second half of the second semester.
* Intensive Courses III will be announced separately on kibaco and the University's website at https://career.tmu.ac.jp/for_doctoral/rikei_doctorcareer.html.

Graduate School of Science List of Course Instructors

[Mathematical Sciences]

Instructor Name	Laboratory	Extension No.
Manabu Akaho	8-629	3136
Kensuke Ishitani	8-669	3167
Hokuto Uehara	8-623	3128
Yukihiro Uchida	8-667	3165
Shigenori Uchiyama	8-668	3166
Akihiro Kanemitsu	8-627	3163
Karel SVADLENKA	8-625	3146
Kazuhiro Kurata	8-632	3141
Shigeru Kuroda	8-672	3172
Masanori Kobayashi	8-670	3134
Takashi Sakai	8-631	3138
Masahiko Simojo	8-622	3135
Toshio Suzuki	8-675	3175
Yukihiro Seki	8-671	3171
Asuka Takatsu	8-628	3127
Hirofumi Tsumura	8-674	3174
Hiro-o Tokunaga	8-673	3173
Tomoyuki Hisamoto	8-666	3164
Tomohiro Fukaya	8-630	3137
Hiroshi Murakami	8-522	3096
Yoshiyuki Yokota	8-626	3133
Shun'ichi Yokoyama	8-665	3168
Kazushi Yoshitomi	8-624	3131
Takeshi Kawasaki	8-662	3158
Masaki Hirata	8-662	3158

[Physics]

Instructor Name	Laboratory	Extension No.
Yuji Aoki	8-531	3362
Emiko Arahata	8-580	3368
Yoshitaka Ishisaki	8-227	3244
Wen YIN	8-584	3374
Yuichiro Ezoe	8-229	3246
Hidekazu Kakuno	8-532	3363
Rei Kurita	8-496	3333
Akira Shudo	8-518	3351
Sergei KETOV	8-581	3371
Hajime Tanuma	8-526	3355
Takuya Nomoto	8-579	3367
Kazumasa Hattori	8-519	3352
Tetsuo Hyodo	8-583	3373
Yutaka Fujita	8-517	3348
Takashi Hotta	8-578	3366
Tatsuma Matsuda	8-226	3243
Yoshikazu Mizuguchi	8-225	3242
Yasumitsu Miyata	8-528	3357
Hiroyuki Mori	8-577	3365
Kazuhiro Yanagi	8-290	3253
Shimpei Iida	8-292	3255
Kumi Ishikawa	8-296	3257
Hiromi Otsuka	8-594	3383
Noriaki Kitazawa	8-588	3375
Tetsuro Kumita	8-488	3326
Shin Sasaki	8-515	3346
Atsushi Tanaka	8-510	3341
Yusuke Nakanishi	8-481	3324
Ryuji Higashinaka	8-122	3221
Aichi Yamashita	8-125	3222

[Chemistry]

Instructor Name	Laboratory	Extension No.
Teppei Ikeya	8-451	3525
Masatoshi Ishida	8-566	3565
Takashi Ito	8-469	3538
Yasuji Oura	8-567	3576
Daichi Oka	8-373	3452
Takuma Okumura	8-368	3448
Hideyuki Kawasoko	8-568	3577
Reika Kanya	8-367	3447
Shuhei Kusumoto	8-375	3435
Shiro Kubuki	RI-201	3922
Kenichi Sugiura	8-565	3574
Masato Taoka	8-467	3536
Nobuyuki Takegawa	8-366	3446
Naoki Nakatani	8-572	3543
Kotohiro Nomura	8-473	3542
Yasushi Hirose	8-372	3453
Kouji Hirota	8-466	3535
Nobuhiro Moteki	8-365	3445
Mohammed Meharwed Abdel-Latif SOLIMAN	8-472	3541
Seiji Yamazoe	8-568	3577
Kazuhiko Akiyama	8-576	3587
Takuya Abe	8-466	3535
Soichi Yoshikawa	8-546	3561
Kohei Shibamoto	8-365	3445
Daisuke Shimoyama	8-374	3455
Kaho Nakatani	8-474	3583
Kazunori Hirabayashi	8-563	3573
Jun Matsumoto	8-369	3451
Kentaro Misawa	8-365	3445

[Biological Sciences]

Instructor Name	Laboratory	Extension No.
Adam Link CRONIN	8-541	3765
Adam WEITEMIER	8-424	3732
Kanae Ando	9-478	4443
Katsuyuki Eguchi	Makino-214	2754
Shigeki Ehira	8-334	3672
Tetsuhisa Otani	8-438	3743
Ryudo Ohbayashi	8-331	3671
Takashi Okamoto	8-320	3661
Yoko Kakugawa	Makino-107	2723
Takeshi Kanegae	8-312	3653
Hiroyuki Kawahara	9-488	4367
Takaomi Sakai	8-413	3724
Jun-Ichirou Suzuki	8-540	3764
Naohito Takatori	8-336	3673
Aya Takahashi	8-425	3733
Koichiro Tamura	8-415	3725
Rei Narikawa	8-324	3663
Masafumi Nozawa	8-417	3726
Shin Haruta	8-434	3741
Kimiko Fukuda	8-339	3675
Noriaki Murakami	Makino-117	2727
Akiko Asada	9-493	4372
Tsunaki Asano	8-422	3731
Hidetoshi Kato	Makino-116	2726
Atsuko Kinoshita	8-318	3657
Taro Saito	9-493	4371
Satomi Takeo	8-441	3745
Yuuya Tachiki	8-338	3674
Toshiko Furukawa	8-322	3662
Naoto Yokota	9-481b	4370
Takahiro Yoshida	Makino-215	2755

Graduate School Rules of Tokyo Metropolitan University (Excerpts)

Corporate Rules No. 49, 2005
Enacted on April 1, 2005

Chapter 1. General Provisions

Purpose

Article 1

The Graduate School of Tokyo Metropolitan University (hereinafter referred to as the "Graduate School") aims to teach and research specialized academic theories and applications in technical fields of study from a broad perspective in order for students to gain deep knowledge and outstanding abilities to engage in professions that require a high level of expertise. It also aims to improve the lives of Tokyo citizens and develop the culture of Tokyo.

(Partial revisions of Regulation 11 of 2019)

Chapter 2. Structure of the Graduate School

Programs

Article 3

1. The Graduate School consists of graduate programs and the professional degree program set forth in Article 2, Paragraph 1 of the Standards for the Establishment of Professional Graduate Schools (Ordinance of the Ministry of Education, Culture, Sports, Science and Technology No. 16 of 2003; the same hereafter).
2. The graduate program is divided into two sections: the first two years (hereinafter referred to as the "master's program") and the next three years (hereinafter the "doctoral program"). The first part of the graduate program is considered to be a master's program.
3. The master's program aims to enable students to gain deep knowledge and advanced skills to engage in professions that require research skills or a high level of expertise in the fields of study from a broad perspective.
4. The doctoral program aims to enable students to acquire advanced research skills and profound academic knowledge that are the foundations for conducting independent research activities as researchers or engaging in other highly specialized work in the field of study.

Graduate programs and majors

Article 4

Graduate programs and majors shall be as shown in Appended Table 1.

Maximum number of students

Article 6

The maximum number of students shall be as shown in Appended Table 2.

(Appended table revisions of Rule 192 of 2005, Rule 65 of 2006, Rule 33 of 2010, Rule 16 of 2013, Rule 28 of 2017)

Administrative unit

Article 7

Administrative tasks related to the graduate program shall be handled by the relevant administrative departments.

Chapter 2-2. Educational and Research Objectives of Each Graduate Program

(Addition of Rule 24 of 2006)

Educational and research objectives of the Graduate School of Science

Article 7-5

1. The master's program of the Graduate School of Science aims to enable students to gain a wide range of knowledge, concepts, and methods in natural science, as well as develop research skills and flexible problem-solving and presentation skills. It also aims to train students to become researchers, educators, and engineers

with an international perspective, creativity, and applicable skills.

2. The doctoral program of the Graduate School of Science aims to enable students to gain advanced knowledge, concepts, and methods in natural science, as well as develop independent research skills and the ability to explore and discover mid- to long-term projects and issues. It also aims to train students to become researchers, educators, and engineers with international leadership, outstanding creativity, and applicable skills.

(Addition of Rule 24 of 2006; partial revision of Rule 28 of 2017; moved down from Article 7-4)

Educational and research objectives of each major

Article 7-9

The objectives of each major on human resource development and other educational and research purposes shall be prescribed separately.

(Addition of Rule 24 of 2006; Rule 28 of 2017 moved down from Article 7-8)

Chapter 3. Faculty

Faculty Committee

Article 8

1. The Graduate School shall have a Faculty Committee.
2. The Faculty Committee shall consist of the professors of the relevant graduate programs.
3. Associate professors and other faculty members may be added to the Faculty Committee.
4. The Dean of the Graduate School shall convene and chair Faculty Committee meetings.
5. Based on the basic policy determined by the Education and Research Council, the Faculty Committee shall deliberate on the following matters related to:
   (1) Student admission, course completion, and other matters related to student enrollment and degree conferral
   (2) Curriculum organization
   (3) Self-inspection and evaluation of the status of education and research in the graduate school
   (4) Systematic training and research conducted by the graduate school to improve the subject matter and teaching methods of courses and research instructions
   (5) Other important matters related to education and research
6. In addition to the above-mentioned five matters, necessary matters concerning the Faculty Committee shall be prescribed separately.

(Partial revisions of Rule 24 of 2006, Rule 13 of 2009)

Course instructors

Article 9

1. Courses and instructions at the graduate school shall be conducted by professors of the University or other qualified individuals (hereinafter referred to as "course instructors").
2. The course instructors outlined above shall be designated by the provost based on the deliberation of the Faculty Committee of the relevant graduate school and the approval of the Faculty Committee to which the professor belongs.

Board of Delegates

Article 10

1. The Graduate Faculty Committee may establish a Board of Delegates.
2. The matters determined by the Faculty Committee prescribed in Article 8, Paragraph 5 may be delegated to the Board of Delegates in making decisions.
3. The Dean of the Graduate School shall convene and chair the meeting of the Board of Delegates.
4. Necessary matters such as the composition of the Board of Delegates shall be prescribed separately.

Chapter 4. Academic Year, Semester, Enrollment Period, etc.

Academic year

Article 11

1. The academic year shall be from April 1 to March 31 of the following year for those enrolled in the first semester and from October 1 to September 30 of the following year for those enrolled in the second semester.

2. Semesters and recesses shall be pursuant to the University Rules. However, the semesters and recesses of the law school shall be in accordance with the Rules of Tokyo Metropolitan University Graduate School of Law and Politics (hereinafter referred to as "Law School Rules").

(Partial revisions of Rule 65 of 2008)

Enrollment period

Article 12

The regular enrollment period for the master's program shall be two years, and the regular enrollment period for the doctoral program shall be three years.

Maximum enrollment period

Article 14

1. The enrollment period in the master's program shall not exceed four years, and the enrollment period in the doctoral program shall not exceed six years.
3. Notwithstanding the provisions of the preceding two paragraphs, when exceptionally approved by the Faculty Committee of the Graduate School under special circumstances, the student may stay enrolled beyond the regular enrollment period.

Long-term enrollment

Article 15

When a student wants to take courses systematically over a certain period of time beyond the regular period prescribed in Article 12, Paragraph 1, under certain circumstances such as full-time work, the Graduate School may allow the student to complete the program in a planned manner as prescribed separately.

(Partial revisions of Rule 39 of 2009)

Chapter 5. Admission, etc.

Admission, etc.

Article 17

1. Matters concerning student status, such as admission, withdrawal, expulsion, transfer, study abroad, and leave of absence, shall be pursuant to the University Rules, except for provisions prescribed in the Graduate School Rules.
2. After deliberate of the Faculty Committee, the provost shall request to withdraw from school if a student falls under any of the following:
   (1) Exceeded the maximum enrollment period set forth in Article 14
   (2) Unable to return to school after the period of absence set forth in Article 19

Leave of absence

Article 19

1. The leave of absence cannot exceed the three years in total for each program.
3. Notwithstanding the provisions of the preceding two paragraphs, when exceptionally approved by the Faculty Committee under special circumstances, the student may remain absent beyond the preceded period of absence.
4. The period of absence shall not be factored in the maximum enrollment period for master's program or doctoral program set forth in Article 14, Paragraph 1.
6. In addition to the provision of the preceding paragraphs, the provisions of the University Rules shall apply mutatis mutandis to leaves of absence.

(Partial revisions of Rule 65 of 2008)

Study abroad

Article 20

1. A student may be allowed to study at a graduate school or research institute, etc., in a foreign country, based on an agreement or discussion with the other graduate school, etc., if the provost finds that it is academically beneficial for the student.
2. The permission set forth in the preceding paragraph shall be granted based on the student's application to study abroad and after discussion of the Faculty Committee of the Graduate School to which the student belongs.
3. The period of study abroad may be counted as the enrollment period.

Chapter 6. Enrollment Requirements and Steps

Assignment of a graduate/doctoral advisor

Article 21

After admission to the graduate school, each student (except low school students) shall be assigned a professor (hereinafter referred to as a "graduate/doctoral advisor") who will provide guidance to the student.

Guidance from the graduate/doctoral advisor

Article 22

1. At the beginning of each academic year, students shall apply to attend courses for the academic year according to the instruction and need to be admitted for the course enrollment.
2. Students shall receive guidance from their graduate/doctoral advisors on selecting courses, writing theses, and conducting research.
3. When the graduate/doctoral advisor deems it necessary, the student may take specified courses.

Credits

Article 23

The standards used for course credits in the graduate school shall be pursuant to the standards for course credits of the department.

Credit requirements, etc.

Article 24

Credit requirements for courses set forth in the preceding article shall be as follows. The detailed rules shall be prescribed separately.

(1) Master's students must earn 30 or more credits during their enrollment.

(2) Doctoral students must earn 20 or more credits during their enrollment. However, doctoral students majored in Human Health Sciences in the Graduate School of Human Health Sciences must earn 14 or more credits during their enrollment.

(Partial revisions of Rule 192 of 2005, Rule 39 of 2009, Rule 30 of 2014, Rule 38 of 2015)

Curriculum organization policy

Article 24-2

1. The graduate school shall establish courses necessary to achieve its educational objectives and formulate a plan to provide guidance on thesis and dissertations writing, etc. (hereinafter referred to as "research guidance"). The school shall also systematically organize the curriculum.
2. The graduate school shall give appropriate consideration to the curriculum that helps students acquire highly specialized knowledge and skills in the field of study and develop basic knowledge in the related fields.

(Addition of Rule 65 of 2006)

Cross-disciplinary program of graduate school

Article 24-3

The TMU Graduate School Cross-Disciplinary Program (hereinafter referred to as the "Cross-Disciplinary Program") is explained with the aim of acquiring broad knowledge, a bird's-eye view, and applied skills that transcend graduate schools and departments, and enhancing cross-disciplinary research capabilities, in addition to the curriculum specified in the preceding Article, and the necessary matters are stipulated in the Program's regulations.

General courses for all graduate programs

Article 24-4

1. In addition to the courses according to the preceding two articles, general courses for students of multiple graduate programs (hereinafter referred to as "general courses for all graduate programs") shall be offered in the graduate school.
2. If the graduate program deems it suitable for education, the credits earned through the general courses for all graduate programs may be counted toward the required credits for program completion as prescribed in Articles 30, 31, and 34. Provided, however, that these courses shall not be counted as the courses prescribed in the provisions of Article 30-2.

(Addition of Rule 17 of 2018)

Systematic training to improve the curriculum, etc.

Article 24-5

The graduate school shall offer systematic training and research to improve the quality and process of the course curriculum and research guidance.

(Addition to Rule 65 of 2006; Rule 28 of 2017 moved down from Article 24-3; Rule 17 of 2018 moved down from Article 24-4)

Courses and credits awarded

Article 25

1. The courses for each major in the graduate program and the number of credits to be awarded shall be as shown in Appended Table 3.
2. The courses for each major in Graduate School Interdisciplinary Programs and the number of credits to be awarded are set forth in the Graduate School Interdisciplinary Programs Rules.
3. The list of general courses for all graduate programs and the number of credits to be awarded shall be as shown in Appended Table 3-2.
4. In addition to the courses set forth in the preceding three paragraphs, the school may establish other courses with the approval of the Faculty Committee.

Appended table revisions of Rule 178 of 2005, Rule 192 of 2005, Rule 65 of 2006, Rule 71 of 2007, Rule 65 of 2008, Rule 39 of 2009, Rule 33 of 2010, Rule 17 of 2011, Rule 14 of 2012, Rule 16 of 2013, Rule 30 of 2014, Rule 19 of 2015; partial revisions and appended table revisions of Rule 28 of 2017, Rule 17 of 2018)

Recognition of credits

Article 26

Credit for courses shall be granted based on written or oral examinations or research reports and shall be awarded at the end of each semester or academic year.

Course assessment

Article 27

The provisions of Article 40 of the University Rules shall apply mutatis mutandis to course assessment of student performance.

Clear presentation of grading criteria, etc.

Article 27-2

1. The Graduate School shall present to students in advance the teaching method and details of the course and research as well as the class schedule and research guidance plan for the year.
2. In order to ensure objective and rigorous assessment, the Graduate School shall present to students in advance the grading criteria for evaluating the student's performance and thesis/dissertation and recognizing the program completion. In addition, the Graduate School shall adhere properly to said criteria.

(Addition of Rule 65 of 2006)

Taking courses at other graduate schools, etc.

Article 28

The acceptance of credits from courses taken at other graduate schools and previously attended institutions shall be pursuant to the provisions of Article 43, Paragraph 1 (also applies mutatis mutandis to Paragraph 2) and Article 45, Paragraphs 1 and 3 of the University Rules. In this case, the term "60 credits" in Article 43, Paragraph 1 of the University Rules shall be read as "10 credits." As to Article 45, Paragraph 3, the term "the previous two paragraphs" shall be read as "Paragraph 1," and the term "60 credits" shall be read as "10 credits."

(Partial revisions of Rule 192 of 2005, Rule 14 of 2012)

Research guidance at other graduate schools or research institutes, etc.

Article 29

If the provost finds that it is academically beneficial for the student, the student may be allowed to receive research guidance at another graduate school or research institute, etc., after having the Graduate Faculty Committee's approval and an agreement or discussion with the other graduate school or institution.

Joint Research Guidance Program

Article 29-2

1. If the President deems it educationally beneficial for a student to enroll in a graduate school of a foreign university under an agreement or consultation with the graduate school of the foreign university, and to undergo

a program of research guidance and dissertation review jointly conducted by the graduate school of the University and the graduate school concerned (hereinafter referred to as "joint research guidance program") while maintaining his/her status as a student of the University, the President may permit the student to undergo the program after consultation with the faculty council of the graduate school to which the student belongs.

2. If there is a student from a graduate school of a foreign university who intends to take a joint research guidance program with the graduate school of TMU, the student may be admitted as an exchange student as stipulated in Article 67-2 of the TMU Academic Regulations, based on an agreement or consultation with the graduate school concerned.
3. When an exchange student accepted under the provisions of the preceding paragraph is recognized as having passed the thesis examination under the joint research guidance program with the graduate school of TMU, the President may, after discussion by the Faculty Council of the graduate school that accepted the exchange student, award a certificate indicating that the student has completed the joint research guidance program.

Chapter 7. Completion Requirements

Completion requirements for the master's program

Article 30

1. In order to complete the master's program, students must complete the two-year enrollment period by attending regular classes, acquiring 30 or more credits of required courses in the master's program, submitting a thesis, and taking the final examination.
2. In the case of the preceding paragraph, if the graduate advisor considers it academically beneficial, up to 10 credits out of the 30 credits may be earned by taking the following courses as prescribed by each graduate school:
   - Non-major courses in the graduate program
   - Major courses in other graduate programs
   - Undergraduate courses
3. Of completion requirements set forth in Paragraph 1,
   as for the enrollment period for those who are recognized as delivering excellent research results, enrollment in the master's program for one year or more shall satisfy the requirement. In this case, if it is deemed appropriate for the purpose of the master's program, the evaluation of the research result on a certain topic may be substituted for the evaluation of a thesis.

(Partial revisions of Rule 65 of 2006, Rule 65 of 2008, Rule 28 of 2017)

Completion requirements for the doctoral program

Article 31

1. In order to complete the doctoral program, the students must complete the three-year enrollment period by attending regular classes, acquiring 20 or more credits in the required courses in the doctoral program, submitting a dissertation, and taking the final examination. However, as for the enrollment period for those who are recognized as delivering exceptional research results, enrollment in the doctoral program for one year or more satisfies the requirement, except for those who fall under the following paragraph.
2. As for the enrollment period for those who have completed the master's program with a period of one year of enrollment under the provision of Paragraph 3 of the previous article, if the Faculty Committee of the relevant graduate program recognized the student as delivering excellent research results, enrollment in the doctoral program for two years or more shall satisfy the requirement.

(Partial revisions of Rule 192 of 2005)

Final examination

Article 32

1. The thesis/dissertation and the final examination shall be evaluated by the graduate/doctoral advisor as the main evaluator and two or more course instructors as set forth in Article 9 nominated by the Graduate Faculty Committee and appointed by the provost.
2. The final examination shall be conducted for those who have acquired the required credits and submitted a thesis/dissertation.

3. The final examination set forth in the preceding paragraph shall be conducted primarily on the thesis/dissertation and written or oral examination of a course related to the thesis/dissertation.

Pass/fail of the thesis/dissertation and final examination

Article 33

The pass/fail result of the thesis/dissertation and final examination shall be determined based on the evaluation report submitted by the Review Committee established by the Faculty Committee.

Recognition of course completion and degree conferral

Article 35

1. For a student who has acquired the required credits set forth in Article 30 for the master's program and Article 31 for the doctoral program, and has passed the thesis/dissertation examination and the final examination, the provost shall authorize the program completion and confer a degree.
2. For an individual who has submitted a dissertation and doctorate application, the degree shall be conferred if the content of the dissertation is equivalent or higher quality than that is submitted under Article 31, Paragraph 1, and the examination result proves that the individual has broad academic knowledge and ability to guide research in the major field of study.
4. The degrees to be conferred under this article shall be prescribed separately.

Obtaining teacher certification

Article 36

1. In order to obtain teacher certification, the student must earn credits set forth in the School Teacher's License Act (Act No. 147 of 1949) and the Order for Enforcement of the School Teacher's License Act (Order of the Ministry of Education No. 26 of 1954).
2. The types and subjects offered in the graduate school to obtain teacher certification are listed in Appended Table 4.

(Appended table revisions of Rule 192 of 2005, Rule 65 of 2006, Rule 28 of 2017)

Chapter 8. Awards and Punishments

Awards and punishments

Article 37

Awards and punishments shall be pursuant to the University Rules.

Chapter 9. Tuition and Other Fees

Tuition and other fees

Article 38

1. Tuition fees, admission fees, entrance exam fees, certificate issuance fees, and thesis/dissertation examination fees, etc., shall be prescribed separately.
2. The provisions of Chapter 3 of the University Rules shall apply mutatis mutandis to the discount and waiver of admission fees and the payment method, installment payment, discount, waiver, etc. of tuition fees.

Chapter 10. Non-Degree Students

Non-degree students, etc.

Article 39

Non-degree students and international students shall be prescribed separately.

Supplementary provisions (29 Corporate Rules No. 28, February 22, 2018)

1. These rules shall come into effect as of April 1, 2018.
2. The provisions regarding the names of graduate programs, majors, academic domains, and completion requirements for students who were enrolled in the fields of study listed below as of March 31, 2018, and continue to be enrolled in the graduate program, etc. on or after April 1 of the same year, the previous provisions shall remain in effect.
   - Graduate School of Social Sciences
   - Graduate School of Science and Engineering

- Graduate School of Urban Environmental Sciences, Urban Environmental Sciences, Department of Geography and Environmental Sciences
- Graduate School of Urban Environmental Sciences, Urban Environmental Sciences, Department of Applied Chemistry
- Graduate School of Urban Environmental Sciences, Urban Environmental Sciences, Department of Urban System Science
- Graduate School of System Design, System Design, Department of Intelligent Mechanical Systems
- Graduate School of System Design, System Design, Department of Information and Communication Systems,
- Graduate School of System Design, System Design, Department of Management System Design

6. Notwithstanding the provisions of the revised Appended Table 4, the previous provisions shall remain in effect for the types and subjects for teacher certifications for students who were enrolled as of March 31, 2018, and continue to be enrolled in the graduate program, etc., on or after April 1 of the same year.

Appended Table 1 for Article 4 (Partial revisions of Rule 192 of 2005, Rule 65 of 2006, Rule 28 of 2017)

1. Graduate programs

Master's program		Doctoral program	
Graduate Program	Major	Graduate Program	Major
Graduate School of Science	Mathematical Sciences Physics Chemistry Biological Sciences	Graduate School of Science	Mathematical Sciences Physics Chemistry Biological Sciences

Appended Table 2 for Article 6 (Partial revisions of Rule 192 of 2005, Rule 65 of 2006, Rule 39 of 2009, Rule 33 of 2010, Rule 16 of 2013, Rule 28 of 2017)

1. Graduate programs

Master's program				Doctoral program			
Graduate School	Major	Max. Adm.	Max. Enroll	Graduate School	Major	Max. Adm.	Max. Enroll
Graduate School of Science	Mathematical Sciences	25	50	Graduate School of Science	Mathematical Sciences	8	24
	Physics	35	70		Physics	10	30
	Chemistry	35	70		Chemistry	9	27
	Biological Sciences	40	80		Biological Sciences	16	28

Appended Table 4 for Article 36 (Partial revisions of Rule 192 of 2005, Rule 65 of 2006, Rule 28 of 2017)

Graduate School Master's Program	Major	Types and Subjects for Licenses	
		Junior High School Teacher's License	High School Teacher's License
Graduate School of Science	Mathematical Sciences	Mathematics	Mathematics
	Physics Chemistry Biological Sciences	Elementary Science	Elementary Science

Supplementary provisions The examples of Appended Table 1, Appended Table 2, and Appended Table 4 under the previous prevision (Corporate Rules 29 No. 28 of February 22, 2018) are as follows:

Appended Table 1 for Article 4 (Partial revisions of Rule 192 of 2005, Rule 65 of 2006)

1. Graduate programs

Master's program		Doctoral program	
Graduate School	Major	Graduate School	Major
Graduate School of Science and Engineering	Mathematics and Information Sciences Physics Molecular Materials Chemistry Biological Sciences Electrical and Electronic Engineering Mechanical Engineering	Graduate School of Science and Engineering	Mathematics and Information Sciences Physics Molecular Materials Chemistry Biological Sciences Electrical and Electronic Engineering Mechanical Engineering

Appended Table 2 for Article 6 (Partial revisions of Rule 192 of 2005, Rule 65 of 2006, Rule 39 of 2009, Rule 33 of 2010, Rule 16 of 2013)

1. Graduate programs

Master's program				Doctoral program			
Graduate School	Major	Max. Adm.	Max. Enroll	Graduate School	Major	Max. Adm.	Max. Enroll
Graduate School of Science and Engineering	Mathematics and Information Sciences	25	50	Graduate School of Science and Engineering	Mathematics and Information Sciences	8	24
	Physics	33	66		Physics	9	27
	Molecular Materials Chemistry	33	66		Molecular Materials Chemistry	9	27
	Biological Sciences	40	80		Biological Sciences	16	48
	Electrical and Electronic Engineering	32	64		Electrical and Electronic Engineering	6	18
	Mechanical Engineering	32	64		Mechanical Engineering	6	18

Appended Table 4 for Article 36 (Partial revisions of Rule 192 of 2005, Rule 65 of 2006)

Graduate School Master's Program	Major	Types and Subjects for Licenses	
		Junior High School Teacher's License	High School Teacher's License
Graduate School of Science and Engineering	Mathematics and Information Sciences	Mathematics	Mathematics
	Physics Molecular Materials Chemistry Biological Sciences	Elementary Science	Elementary Science
	Electrical and Electronic Engineering Mechanical Engineering		Engineering

Tokyo Metropolitan University Degree Rules (Excerpts)

Corporate Rules No. 54, 2005
Enacted on April 1, 2005

Purpose

Article 1

The purpose of these rules is to provide information concerning degrees at Tokyo Metropolitan University pursuant to the provisions of Article 13, Paragraph 1 of the Degree Regulations (Ordinance of the Ministry of Education No. 9 of 1953).

Type of degrees

Article 2

1. The following degree shall be conferred:
   (1) Bachelor's degree
   (2) Master's degree
   (3) Doctoral degree
   (4) Juris Doctor degree (professional)
2. In conferring a bachelor's, master's, or doctoral degree, disciplines shall be appended according to Appended Table 1.

(Appended table revisions of Rule 202 of 2005 and Rule 79 of 2007; partial revisions and appended table revisions of Rule 78 of 2008; appended table revisions of Rule 49 of 2009, Rule 27 of 2011, Rule 25 of 2013, Rule 38 of 2014, Rule 20 of 2015, and Rule 40 of 2017)

Requirements for conferring a master's degree

Article 4

Graduate School Rules of Tokyo Metropolitan University (Corporate Rules No. 49, 2005; hereinafter referred to as the "Graduate School Rules").

A master's degree shall be conferred to those who have completed the master's program pursuant to the provisions of Article 35, Paragraph 1.

(Partial revisions of Rule 31 of 2019)

Requirements for conferring a doctorate

Article 5

1. A doctorate shall be conferred on those who have completed the doctoral program pursuant to the provisions of Article 35, Paragraph 1 of the Graduate School Rules.
2. A doctorate shall be conferred on those who have passed the dissertation examination and examinations pursuant to the provisions of Article 35, Paragraph 2 of the Graduate School Rules and whose academic ability is confirmed by a test to be equivalent to or higher than those who have completed the doctoral program set forth in the preceding paragraph.

Method and timing of the degree application

Article 7

The method and timing of application for degrees shall be set forth in Appended Table 2.

(Appended table revision of Rule 5 of 2013)

Qualification for the master's degree application

Article 8

In order to be qualified to apply for the evaluation of the thesis examination (including research findings of a specific subject; hereinafter the same) to obtain a master's degree pursuant to the provision of Article 4, the student must have enrolled in the master's program and earned required credits or be approved to earn the required credits by the end of the evaluation of the thesis examination.

Qualification for the doctorate application

Article 9

In order to be qualified to apply for the evaluation of the dissertation examination to obtain a doctorate pursuant to the provision of Article 5, Paragraph 1, the student must have enrolled in the doctoral program and earned required credits or be approved to earn the required credits by the end of the evaluation of the dissertation

examination. Provided, however, that this shall not apply where the student applies for a doctorate pursuant to the provisions of Article 5, Paragraph 2.

Application for a doctoral dissertation, etc.

Article 10

1. In order to apply for a doctorate pursuant to the provision of Article 5, Paragraph 2, the student shall submit the application form and related documents set forth in Article 7 with the discipline set forth in Article 2, Paragraph 2, along with the payment of the dissertation evaluation fee, to the Graduate School for the attention of the provost.
2. The dissertation evaluation fee, waiver, and other matters shall be as specified separately.

Acceptance of the degree application

Article 11.

1. Applications for a master's degree pursuant to the provisions of Article 4 and applications for a doctorate pursuant to the provisions of Article 5, Paragraph 1 shall be accepted by the relevant graduate school.
2. Under the provisions of Article 5, Paragraph 2, a dissertation along with a doctorate application shall be checked and determined by the Faculty Committee of the Graduate School (hereinafter "Graduate Faculty Committee") whether to accept it for evaluation.
3. If accepted according to the provision above, an application acceptance certificate shall be issued to the applicant.
4. After accepting a doctorate application pursuant to the provisions of the preceding two paragraphs, the provost shall request the Graduate Faculty Committee of the appropriate discipline to evaluate the dissertation.

Thesis/Dissertation

Article 12

1. One main thesis or dissertation shall be accepted. However, other papers may be attached as references.
2. The terminology used in the thesis/dissertation shall be determined by the Graduate Faculty Committee.
3. Received thesis/dissertation shall not be returned to the applicant under any circumstances.

Review Committee

Article 13

1. The thesis/dissertation shall be evaluated and determined based on the report prepared by the Review Committee, which is established in the Graduate Faculty Committee.
2. The Review Committee set forth in the preceding paragraph shall consist of as follows:
   (1) The Review Committee for a thesis/dissertation set forth in Articles 8 and 9 shall consist of a graduate/doctoral advisor as the main evaluator and two or more faculty members who are members of and nominated by the Graduate Faculty Committee and appointed by the provost.
   (2) The Review Committee for a dissertation set forth in Article 10 shall consist of one main evaluator and two or more faculty members who are members of and nominated by the Graduate Faculty Committee and appointed by the provost.
3. Notwithstanding the provision of the preceding paragraph, when the Graduate Faculty Committee deemed it necessary, the committee may nominate professors from other departments or other graduate schools or research institutes for the review committee members.

Review period

Article 14

1. The thesis and dissertation set forth in Articles 8 and 9 shall be accepted and the evaluation is completed while the applicant is enrolled in the graduate program.
2. The evaluation of the dissertation set forth in Article 10 must be completed within one year from the date that the doctorate application is received.
3. Notwithstanding the provisions of the preceding two paragraphs, the review period may be extended with the approval of the Graduate Faculty Committee.

Examinations

Article 15

1. While evaluating the dissertation, the Review Committee shall conduct the final examination or test for the subjects mainly related to the dissertation.
2. The final examination or test set forth in the preceding paragraph shall be conducted in an interview or written format.

Test

Article 16

1. The test set forth in Article 5, Paragraph 2 shall be conducted in an interview or written format.
2. For an individual who applies for a doctorate under Article 5, Paragraph 2, if the individual has withdrawn from the school but had enrolled in our doctoral program for one year or more and earned required credits, the test outlined in the preceding paragraph may be waived according to the rule prescribed by respective graduate programs.

Public presentation

Article 17

Under the rule prescribed by the Graduate Faculty Committee, the committee may request the doctorate applicant to give a public presentation of the dissertation (hereinafter "public presentation") as the final examination or test. The details of the public presentation shall be determined by the Review Committee.

Informing the Graduate Faculty Committee

Article 18

1. The Review Committee shall submit the evaluation report to the Graduate Faculty Committee immediately after completing the evaluation.
2. If necessary, the Graduate Faculty Committee may request the applicant to submit additional materials such as a copy, Japanese translation, prototype or sample of the dissertation. In some cases, the committee may request the applicant to elaborate on the dissertation.

Pass or fail decision

Article 19

1. The Graduate Faculty Committee shall decide whether to pass or fail the dissertation and final examinations, etc., by anonymous voting based on the evaluation report from the Review Committee.
2. The Graduate Faculty Committee meeting must consist of at least two-thirds of the committee members to qualify the meeting for the purpose in the preceding paragraph, and at least two-thirds favorable votes from attended members are required to pass. Note that those absent due to public duties shall not be counted in the aforementioned quorum.

Article 20

1. Upon the decision of the passing result, the Graduate Faculty Committee shall submit a report summarizing the dissertation evaluation and final examination or test result to the dean of the graduate program.
2. For the applicant of a doctorate pursuant to the provision of Article 5, Paragraph 2, the committee shall also submit the test result.
3. The same shall apply to the case where the committee determined the application failed. However, the evaluation summary shall not be required.

Granting a degree

Article 21-1

1. The provost shall confer a degree based on the report from the department or Graduate Faculty Committee, according to the attached format.
2. The bachelor's degree shall be granted in March. Provided, however, that the degree may be granted in September for those who have been enrolled for four years or more and for whom the Faculty Committee deems it particularly necessary.
3. The master's degree shall be awarded twice a year, in March and September.
4. The doctorate shall be awarded as needed.

(Partial revisions of Rule 31 of 2019)

Completion of the Collaborative International Research Program

Article 21-2

If the master's or doctoral degree grantee has been recognized as passing the dissertation examination by the Collaborative International Research Program prescribed in Article 29, Paragraph 2 of the Graduate School Rules of Tokyo Metropolitan University (Corporate Rules No. 49 of 2005), the statement of the program completion shall be added to the diploma.

(Addition of Rule 49 of 2009; Partial revisions of Rule 31 of 2019)

Publication of the dissertation abstract

Article 22

After a doctorate is granted, the University shall publish the abstract of the dissertation and the summary of the dissertation examination result on the Internet within three months from the date of conferral of the doctorate. The method shall be prescribed separately.

(Partial revisions of Rule 5 of 2013)

Publication of the dissertation

Article 23

1. The individual who has been awarded a doctorate must publish the full text of his or her dissertation within one year of the date of conferral. Provided, however, that this shall not apply where the dissertation has already been published before the degree is conferred.
2. Notwithstanding the provision of the preceding paragraph, under certain circumstances, the doctorate grantee may publish the abstract of the dissertation instead of the full text upon approval of the Graduate Faculty Committee. In this case, the Graduate School shall make the full text of the dissertation available for viewing upon request.
3. The publication made by the doctorate grantee pursuant to the provisions of the preceding two paragraphs shall be on the Internet with the assistance of the school. The method shall be prescribed separately.
4. When publishing the dissertation after the conferral of the degree pursuant to the provisions of the preceding Paragraph 3, the dissertation must be published with the statement "Doctoral dissertation reviewed by Tokyo Metropolitan University."

(Partial revisions of Rule 5 of 2013 and Rule 31 of 2019)

Name of the degree

Article 24

When the individual who has been awarded a doctorate uses the name of the degree, the name of Tokyo Metropolitan University shall be added.

(Partial revisions of Rule 31 of 2019)

Revocation of a degree

Article 25

1. If the degree awarded was found to be made by fraudulent means, the provost may revoke the degree based on the deliberation of the Graduate Faculty Committee.
2. The decision of the Graduate Faculty Committee outlined in the preceding paragraph shall require the approval of three-quarters of the meeting participants. The provisions of Article 19 shall apply mutatis mutandis to matters such as the number of participants.

Supplementary provisions

1. These rules shall come into effect as of April 1, 2005.
2. Notwithstanding the provisions of Article 2, Paragraph 2, the discipline of those who transferred to the Graduate School from the following schools on April 1, 2011, the Degree Rules as of March 31, 2011 of those schools shall apply.
   - Tokyo Metropolitan University
   - Tokyo Metropolitan Institute of Technology
   - Tokyo Metropolitan University of Health Sciences

   (hereinafter referred to as the "undergraduate schools before transfer")

Appended Table 1 for Article 2

(Partial revisions of Rule 202 of 2005, Rule 79 of 2007, Rule 49 of 2009, Rule 27 of 2011, Rule of 2013, Rule 40 of 2017)

2. Master's degree

Graduate Program	Major (Field of Study)	Discipline
Graduate School of Science	Mathematical Sciences	Science
	Physics	Science
	Chemistry	Science
	Biological Sciences	Science

3. Doctorate

Graduate Program	Major (Field of Study)	Discipline
Graduate School of Science	Mathematical Sciences	Science
	Physics	Science
	Chemistry	Science
	Biological Sciences	Science

Supplementary provisions The examples under the previous prevision (Corporate Rules 29 No. 40 of February 22, 2018) are as follows:

2. Master's degree

Graduate Program	Major (Field of Study)	Discipline
Graduate School of Science and Engineering	Mathematics and Information Sciences	Science
	Physics	Science
	Molecular Materials Chemistry	Science
	Biological Sciences	Science
	Electrical and Electronic Engineering	Mechanical Engineering
	Mechanical Engineering	Engineering

3. Doctorate

Graduate Program	Major (Field of Study)	Discipline
Graduate School of Science and Engineering	Mathematics and Information Sciences	Science
	Physics	Science
	Molecular Materials Chemistry	Science
	Biological Sciences	Science
	Electrical and Electronic Engineering	Engineering
	Mechanical Engineering	Engineering

Appended Table 2 for Article 7 (Partial revisions of Rule 5 of 2013)

Classification	Application Date	Required Documents	Copies	Note
Degrees under the provisions of Article 4	In principle, January 10 or July 31 (Each Graduate Faculty Committee may set the date separately)	1. Degree application form 2. Thesis 3. Thesis abstract 4. Unofficial transcript	1 1	The required number of copies of the thesis/dissertation and the abstract is determined by each graduate school.
Degrees under the provisions of Article 5, Paragraph 1	In principle, April 10 or October 31 (Each Graduate Faculty Committee may set the date separately)	1. Degree application form 2. Dissertation 3. Dissertation abstract 4. Unofficial transcript 5. List of research achievements 6. CV	1 1 2 2	The required number of copies of the thesis/dissertation and the abstract is determined by each graduate school.
Degrees under the provisions of Article 5, Paragraph 2	Unspecified	1. Degree application form 2. Dissertations 3. Dissertation abstracts 4. List of dissertations 5. List of research achievements 6. CV 7. Certificate of the copy of the partial resident card	1 1 2 2 1	Specify the discipline prescribed in Appended Table 1 (Article 10) The required number of copies of the thesis/dissertation and the abstract is determined by each graduate school.

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* The application period for the master's degree is no later than January 10 or July 10, and the application period for the doctorate is no later than December 10 or June 10 pursuant to Article 2 of the "Detailed Rules of the Graduate School of Science concerning the Graduate School Rules and Degree Rules of Tokyo Metropolitan University.

* The latest regulations are available on the web page (only Japanese).
Tokyo Metropolitan Public University Corporation Regulations Collection
https://www.houjin-tmu.ac.jp/en/kisoku/

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Phone: +81 42-677-1111 (Main Extension: 3033)