

Bylaws for the School of Mathematics and Computing

(Mathematics)

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Chapter 1: GENERAL PROVISIONS

Article 1 (Purpose)

These bylaws aim to specify matters related to the operation of the School of Mathematics and Computing (Mathematics) (henceforth referred to as the Department) within the scope stipulated by the Graduate School Regulations (henceforth referred to as “Regulations”), and Graduate School Bylaws and the Enforcement Bylaws (henceforth “Graduate School Bylaws”).

Article 2 (Department Committee)

- ① The Department Graduate School Committee (henceforth “Department Committee”) is formed in accordance with the Graduate School Bylaws’ Bylaws on the Establishment of Department Graduate School Committees.
- ② The Department Committee is composed of at least seven members, including professors, associate professors, and assistant professors (henceforth referred altogether as department professors), and the Department Head is selected as the chairperson.
- ③ Members of the Department Committee serve two-year terms. However, a member appointed due to a vacancy only serves the remainder of the two-year term of the vacant member.

- ④ The Department Committee deliberates and decides matters related to Graduate School admissions and operation, as follows.
1. Major matters related to entrance applications, such as appointing evaluators for interviews and submitted documents, and admission decisions
 2. Matters related to the enactment, amendment, or repeal of bylaws regarding the Department's Graduate School admissions or operation
 3. Major matters related to the Graduate School's academics, such as determination of results for the Comprehensive Exam
- ⑤ Each semester, the chairperson calls the Department Committee to meet regularly, beginning with the start of the admissions process. The chairperson may also call a meeting if there is a need to deliberate or decide on a matter related to the Graduate School operation. In addition, the Department Committee may address related matters in parallel with Department meetings and may hold non-face-to-face meetings if necessary.
- ⑥ The Department Committee opens with the attendance of a majority and matters on the agenda are decided upon with a two-thirds vote. The chairperson holds the right to vote. Those among the Department Committee subject to avoidance or exclusion cannot attend the meeting and will be excluded from the quorum.

Chapter 2: ASSIGNMENT OF ADVISOR AND ENROLLMENT

Article 3 (Advisor)

- ① The advisor, who is a professor in the Department, may also be referred to as the academic advisor or the thesis advisor.
1. Academic advisors guide students who have not passed the Thesis

Qualification Exam outlined in Article 20.

2. Thesis advisors guide students who have passed the Thesis Qualification Exam through their thesis and substitutes academic advisors.
- ② The Department Head refers to the research plans for the incoming students in each of the degree programs, and preliminarily appoints an academic advisor from the Department's professors and informs the students of their appointment before the start of their first semester.
- ③ Students who have passed the Thesis Qualification Exam are eligible to apply for a thesis advisor.
- ④ Students who wish to apply for or change an advisor must submit an Application for the Appointment of an Advisor (Form 1) to the Department Head for approval.

Article 4 (Course Enrollment)

- ① Students must enroll for courses after filling out a Course Registration Form (Form 2), receiving approval from their advisor, and submitting the form to the Department Office. Students who fail to do so may be excluded from lab assignments and scholarship recommendations.

Chapter 3: CREDIT REQUIREMENTS

Article 5 (Credit Requirements)

- ① In order to complete their degree programs, students must obtain at least 30 credits for the Master's degree program, at least 30 credits for the Ph.D. degree program, and at least 54 credits for the Joint (Master's & Ph.D.) degree program in accordance with Article 15.

- ② Students in any degree program must obtain their required credits with their advisor's approval.

Article 6 (Semester Credit Requirements)

- ① Students cannot take more than 12 credits per semester, in accordance with Article 16.

Article 7 (Required Courses)

- ① Students in any of the degree programs must complete the following major requirement courses.

1. Algebra 1 (MAT6200)
2. Real Analysis 1 (MAT6400)
3. Either Algebra 2 (MAT6250) or Real Analysis 2 (MAT6450)
4. Millennium Problems and Seminar (MAT6055)

A current Ph.D. student may be exempt from the above courses if completed at the university's graduate school in a previous degree program.

- ② After submitting the thesis proposal, Master's students must take Directed Research 1 (MAT7999) for at least one semester, and Ph.D. or Joint (Master's & Ph.D.) students must take Directed Research 2 (MAT9999) for at least two semesters.

Article 8 (Transfer Credit)

- ① Students can only receive credit from a course outside of the Department by receiving approval from the Head Professor (Form 3).
- ② All courses established in the School of Mathematics and Computing (Computational Science and Engineering) are accepted as those within the Department.

- ③ Recognition of credits earned in other institutions are transferred by agreement with the Graduate School in accordance with Article 17 of the University Regulations and the Graduate School Bylaws' Bylaws on the Recognition of Credits from Other Graduate Schools.

Article 9 (GPA Requirements for Graduation)

- ① Students must receive a minimum GPA of 3.0 (B0) to complete the program in accordance with Article 21 of the University Regulations.

Chapter 4: REGISTRATION AND DEGREE COURSE COMPLETION

Article 10 (Registration)

- ① In accordance with Article 8 of the University Regulations and the Graduate School Bylaws' Bylaws on Graduate School Registration and Degree Completion, students in each degree program must register every semester. Registration is divided into Regular Registration and Research Registration.
1. Regular Registration: registration for up to 4 semesters in the Master's and Ph.D. degree programs, and up to 6 semesters in the Joint (Master's & Ph.D.) degree program
 2. Research Registration: registration for semesters exceeding those for Regular Registration in all degree programs

Article 11 (Research Registration Fee)

- ① The Research Registration Fee will be determined individually in accordance with the Graduate School Bylaws' Bylaws on Graduate School Registration and Degree

Completion.

- ② Even if a student is registered in Research Registration, they must pay additional tuition fees in order to register for courses outside of their research guidance.

Article 12 (Conditions for Degree Completion, Registration, and Leave of Absence)

- ① Students in each of the degree programs will have met the conditions for degree completion when they have completed Regular Registration for more than 4 semesters for the Master's and Ph.D. degree programs, and more than 6 semesters for the Joint (Master's & Ph.D.) degree program, have met the requirements laid out in Article 5 (Credit Requirements) and Article 9 (GPA Requirements for Graduation), and have passed the Qualification Exam as laid out in Article 20.
- ② Students who have met degree completion conditions must be in Research Registration, in accordance with the Graduate School Bylaws' Bylaws on Graduate School Registration and Degree Completion.
- ③ Students who have met degree completion conditions may take a leave of absence for a period approved by their advisor and the Department Head in accordance with the Graduate School Bylaws' Bylaws on Graduate School Registration and Degree Completion.

Chapter 5: COMPREHENSIVE EXAM FOR MAJOR

Article 13 (Comprehensive Exam for Major)

- ① The Comprehensive Exam for the Major (henceforth "Comprehensive Exam"), which refers to the Undergraduate Basic Exam, Graduate Basic Exam, and Research Presentation Exam, consists of the following for each degree program.

- ① Master's degree program: the Undergraduate Basic Exam, the Graduate Basic Exam
- ② Ph.D. degree program: the Undergraduate Basic Exam, the Graduate Basic Exam, the Research Presentation Exam
- ② Students in the Joint (Master's & Ph.D.) degree program will be held to the same standards as Ph.D. students, and, in the instance they discontinue the Joint (Master's & Ph.D.) degree program, will be held to the same standards as Master's students.

Article 14 (Comprehensive Exam Eligibility and Qualifications for Passing)

- ① Students are only eligible for the Undergraduate Basic Exam until the second semester of each of the degree programs. Students who have been admitted to any of the degree programs may take the Undergraduate Basic Exam even before their date of admission.
- ② Students are only eligible for the Graduate Basic Exam until the fourth semester of each of the degree programs.
- ③ Students are only eligible for the Thesis Presentation Exam until the eighth semester for the Ph.D. degree program and until the tenth semester for the Joint (Master's & Ph.D.) degree program, and may take the Thesis Presentation Exam at most two times.
- ④ Students who are on a leave of absence or have been expelled are not eligible for the Comprehensive Exam for the Major and cannot pass the exams.

Article 15 (Comprehensive Exam Passing Confirmation)

- ① The Department Committee confirms the results of the Comprehensive Exam each semester.
- ② Passing the Comprehensive Exam is confirmed with the approval of the Dean of the

Graduate School.

Article 16 (Undergraduate Basic Exam)

- ① Questions in the Undergraduate Basic Exam will be selected from the entire scope of topics from Yonsei University's Calculus (MAT1001, MAT1002) courses.
- ② The Undergraduate Basic Exam will be offered once in February and once in August each year. The specific exam dates, times, and locations will be posted at least two weeks before the exam date. Exam takers must submit their application (Form 4) to the department office by the application deadline (within one week of the exam announcement).
- ③ Questions on the Undergraduate Basic Exam will be chosen and graded by a professor from the department, recommended by the Department Committee. A score of at least 60 points, without a curve, is considered a passing score.
- ④ Ph.D. students may apply to be exempt from the Undergraduate Basic Exam by submitting their application (Form 4) if they passed the Undergraduate Basic Exam in a previous degree program.
- ⑤ The results of the Undergraduate Basic Exam will be confirmed by the Department Committee and exam takers will be notified individually.
- ⑥ In order to take the Undergraduate Basic Exam, students must pay the application fee when submitting their application. However, first-time exam takers are exempt from the application fee.

Article 17 (Graduate Basic Exam)

- ① Students will be considered to have passed the Graduate Basic Exam if they have passed the following requirements.

1. Master's Degree Program: Attainment of a grade of at least 3.0 (B0) in one of the Algebra courses (MAT6200 or MAT6250) and in one of the Real Analysis courses (MAT6400 or MAT6450).
 2. Ph.D. Degree Program: Attainment of a grade of at least 3.7 (A-) in one of the Algebra courses (MAT6200 or MAT6250) and in one of the Real Analysis courses (MAT6400 or MAT6450).
- ② Students who have entered the Ph.D. degree program after obtaining their Master's degree in the Department may be exempt from the Graduate Basic Exam if they previously passed the Graduate Basic Exam under the requirements for the Ph.D. degree program.
- ③ As a principle, the Graduate Basic Exam's subjects will be taught by professors in the department who have been recommended by the Department Committee.
- ④ Upon passing the Graduate Basic Exam, students in each of the degree programs must submit their confirmation document (Form 5) within two weeks after the last day of the Final Grade Submission period for the semester to be counted towards that semester.

Article 18 (Research Presentation Exam)

- ① The Research Presentation Exam is an oral exam to present the Ph.D. thesis proposal and content. Students in the Ph.D. or Joint (Master's & Ph.D.) degree programs are eligible for the Research Presentation Exam if they have passed both the Undergraduate Basic Exam and the Graduate Basic Exam.
1. Ph.D. degree program: Students who have not completed their eighth semester are eligible.
 2. Joint (Master's & Ph.D.) degree program: Students who have not completed

their tenth semester are eligible.

- ② The Research Presentation Exam Evaluation Committee consists of three professors chosen from the Department, including the advisor. Candidates must confirm the Research Presentation Exam date with the evaluators, submit the Application (Form 6) to the Department Office, and relay the Presentation Exam Rubric (Form 7) to the evaluators prior to the Exam date.
- ③ Students in the Joint (Master's & Ph.D.) degree program can obtain a Master's degree regardless of their Research Presentation Exam results, in accordance with Article 30.
- ④ Students who are on a leave of absence or have been expelled are not eligible for the Research Presentation Exam and cannot pass the Exam.
- ⑤ The Department Committee decides the results of the Research Presentation Exam after reviewing the Presentation Exam Rubrics.
- ⑥ In order to take the Research Presentation Exam, students must pay the application fee when submitting their application. However, first-time exam takers are exempt from the application fee.
- ⑦ Students may participate and be evaluated in the regular poster presentations held by School of Mathematics and Computing (Mathematics) in lieu of the Research Presentation Exam.

Chapter 6: FOREIGN LANGUAGE EXAM

Article 19 (Foreign Language Exam Graduation Requirement)

- ① The Foreign Language Exam is an English Exam.
- ② Students will be considered to have passed the Foreign Language Exam if they submit

the application form (Form 19) and a original transcript of their Official English Test, which meets the below minimum scores, to the Department Office by the last day of the Final Grade Submission period for the semester.

- a. TOEFL: 73 for Master's students, 78 for Ph.D. students
 - b. TOEIC: 630 for Master's students, 680 for Ph.D. students
 - c. TEPS: 268 for Master's students, 297 for Ph.D. students
- ③ Joint (Master's & Ph.D.) degree students will be held to the same standards as Ph.D. students, and students who have discontinued their Joint (Master's & Ph.D.) degree and changed to the Master's degree program will be held to the same standards as Master's students.
- ④ A Ph.D. student may submit their confirmation document (Form 19) to be exempt from the Foreign Language Exam if they have previously received their Master's degree from the Department and passed the Foreign Language Exam while meeting the minimum scores for Ph.D. students as laid out in Section 2.
- ⑤ International students must also submit their Foreign Language Exam scores that meet the requirements in Section 2. However, international students from English-speaking countries or students who have completed either their entire middle school and high school education, Undergraduate degree, Master's degree, or entire Ph.D. degree in an English-speaking country may be exempt from the Foreign Language Exam through the Head Professor's approval (Form 19).
- ⑥ Students in any of the degree programs may submit the Department Head's approval (Form 19) to be exempt from the Foreign Language Exam if they have completed the "Graduate School Foreign Language Exam Alternative Course" established by our University's Language Research and Education Center.
- ⑦ The Department Committee confirms the results of the Foreign Language Exam each

semester.

Chapter 7: THESIS

Article 20 (Thesis Submission Qualification Exam)

- ① The Thesis Submission Qualification Exam (henceforth “Qualification Exam”) consists of the Comprehensive Exam and the Foreign Language Exam. Students are considered to have passed the Qualification Exam if they have passed both the Comprehensive Exam and the Foreign Language Exam.

Article 21 (Thesis Proposal Submission)

- ② Students in any of the degree programs who have passed the Qualification Exam by the previous semester and met the criteria in Article 5 (Credit Requirements), Article 7 (Required Courses), and Article 9 (GPA Requirements for Graduation) are eligible to submit the thesis proposal. However, the credits in the course registration for the current semester are included in the credit calculations.
- ③ Students who are on a leave of absence or have been expelled are not eligible to submit the thesis proposal.

Article 22 (Thesis Submission Requirements)

- ① Students in the various degree programs may submit a thesis manuscript for Thesis Evaluation if they meet the following criteria, in accordance with the Graduate School Bylaws’ Bylaws on Graduate School Theses.
1. Master’s degree program
 - (7) Students who have passed the Qualification Exam

- (L) Students who have received approval on their Thesis Proposal (Form 8) and a Declaration of Ethical Conduct in Research (Form 9), have been appointed a thesis advisor, and have received research guidance from their thesis advisor for at least one semester
- (E) Students who are expected to complete their Thesis Evaluation within 4 years from their date of admission

2. Ph.D. degree program

- (7) Students who have passed the Qualification Exam
- (L) Students who have received approval on their Thesis Proposal (Form 8) and a Declaration of Ethical Conduct in Research (Form 9), have been appointed a thesis advisor, and have received research guidance from their thesis advisor for at least two semesters
- (E) Students who are expected to complete their Thesis Evaluation within 7 years from their date of admission

3. Joint (Master's & Ph.D.) degree program

- (7) Students who have passed the Qualification Exam
- (L) Students who have received approval on their Thesis Proposal (Form 8) and a Declaration of Ethical Conduct in Research (Form 9), have been appointed a thesis advisor, and have received research guidance from their thesis advisor for at least two semesters
- (E) Students who have completed 6 semesters of Regular Registration
- (8) Students who are expected to complete their Thesis Evaluation within 8 years from their date of admission

Article 23 (Thesis)

- ① Master's theses must be written in English. However, a thesis may be written in another language if it is related to a topic that is not appropriate to be written in English, with approval from the advisor and the Department Head.
- ② Ph.D. theses must be written in English. However, a thesis may be written in a language other than English if it is related to a topic that is not appropriate to be written in English, with a request from the advisor and final approval from the Dean of the Graduate School.

Article 24 (Thesis Evaluation Committee)

- ① The Thesis Evaluation Committee will consist of 3 evaluators for a Master's thesis and 5 evaluators for a Ph.D. thesis in accordance with the Graduate School Bylaws' Bylaws on Graduate School Theses. Up to 1 member for Master's theses and up to 2 members for Ph.D. theses may be from outside of the Department.
- ② The student whose thesis is undergoing Thesis Evaluation must submit the Thesis Evaluation Committee Appointment Approval Letter (Form 16) to the Department Office.

Article 25 (Preliminary Thesis Evaluation)

- ① Students who have met the criteria for thesis submission may undergo a preliminary Thesis Evaluation.
 - ① A Master's thesis may undergo a preliminary Thesis Evaluation from the semester when the thesis proposal is approved and must complete the preliminary Thesis Evaluation within the period set by the Graduate School.
 - ② A Ph.D. thesis must complete the preliminary Thesis Evaluation at least 6 months prior to the Ph.D. degree commencement.

- ② Students must make a public presentation on their thesis during the preliminary Thesis Evaluation. The Thesis Evaluation Committee and the Department must announce the presentation evaluation schedule and other details in advance.
- ③ Students undergoing the preliminary Thesis Evaluation must submit the preliminary Thesis Evaluation confirmation (Form 17) to the Department Office and the preliminary Thesis Evaluation result report (Form 18) to the evaluators before the preliminary Thesis Evaluation date.

Article 26 (Thesis Evaluation)

- ① Students who have passed the preliminary Thesis Evaluation, have diligently revised and supplemented their thesis, and have met the requirements listed in Article 28 (Academic Activity Graduation Requirements) may undergo Thesis Evaluation.
- ② The Thesis Evaluation will be judged by evaluators during the period set by the Dean of the Graduate School.
- ③ Students undergoing the Thesis Evaluation must submit the Evaluation Form (Graduate School Form) from the Department Office to the evaluators.
- ④ Students who do not pass the Thesis Evaluation can reattempt it after at least one semester has passed. If the Reevaluation is not passed, the student cannot receive their degree.
- ⑤ Students must pass the Thesis Evaluation within 4 years of admission for the Master's degree program, within 7 years of admission for the Ph.D. degree program, and within 8 years of admission for the Joint (Master's & Ph.D.) degree program.

Article 27 (Thesis Publication)

- ① Ph.D. theses must be published in academia within 1 year of passing the Thesis

Evaluation.

Chapter 8: ACADEMIC ACTIVITY GRADUATION REQUIREMENTS

Article 28 (Academic Activity Graduation Requirements)

- ① To submit a Master's thesis, students are recommended to present their research at an academic conference at least once.
- ② To submit a Ph.D. thesis, students are required to present their research at an academic conference at least once and to publish (or get publication confirmed) at least once in a prestigious international journal. The SCI listing is used as the standard of prestigious international journals, and the standard is decided by the Thesis Evaluation Committee.
- ③ When the subject of a Ph.D. thesis is in the field of Information Science, the requirement laid out in Section 2 may be replaced with one or more presentations at excellent academic conferences. The list of excellent conferences of the Korean Institute of Information Scientists and Engineers is used as the standard of excellent academic conferences, and the standard is decided by the Thesis Evaluation Committee.
- ④ The confirmation of Academic Activity Graduation Requirements (Form 10) is certified by the Thesis Evaluation Committee, and the Department Head gives the final approval.

Chapter 9: CHANGE OF DEGREE PROGRAM

Article 29 (Change of Degree Program from Master's to Joint (Master's & Ph.D.))

- ① Master's students may change their degree program to the Joint (Master's & Ph.D.) degree program with the recommendation or prior approval of their advisor and the Department Head to request approval for the change of degree program from the Dean of the Graduate School. The eligibility requirements to apply to change the degree program are in accordance with the Graduate School Bylaws' Bylaws on the Change of Degree Programs.
- ② Students who have been approved to change their degree program must register in accordance with Article 8 (Registration and Tuition) of the University Regulations, and all matters related to the degree program follow the regulations for the Joint (Master's & Ph.D.) degree program.
- ③ The enrollment period for students who have changed their degree program from the Master's to the Joint (Master's & Ph.D.) includes the semesters completed while in the Master's degree program.
- ④ Some credits completed in the Master's degree program may be recognized with approval from the advisor and the Department Head.

Article 30 (Discontinuation of Joint (Master's & Ph.D.) Degree Program)

- ① In order for a student to discontinue the Joint (Master's & Ph.D.) degree program and change to the Master's degree program, they must request approval from the Dean of the Graduate School under the prior approval of the advisor and the Department Head. The eligibility requirements to apply to change the degree program are in accordance with the Graduate School Bylaws' Bylaws on the Change of Degree Programs.
- ② All matters related to the degree program for approved students follow the regulations for the Master's degree program.

Chapter 10: DETAILED BYLAWS

Article 31 (Rules for Laboratory Work)

- ① Students who have been assigned a laboratory seat must devote themselves to at least 40 hours of research or classes a week.
- ② Students must prepare a monthly work schedule (Form 14) every month, receive approval from their advisor, and submit it to the Department Office by the 10th of the following month.

Article 32 (Poster Presentations)

- ① Students in each of the degree programs who are in at least their third semester must present at the Department's poster presentation at least once a year.
- ② The Department poster presentation is held once a semester, and the specific time, date, and method are decided and announced by the Department Committee.

Article 33 (Ph.D. Degree Program Research Performance Report)

- ① Students registered for research beyond their fourth semester for the Ph.D. degree program and sixth semester for the Joint (Master's & Ph.D.) degree program must submit their research contents and results from the past year in a Research Performance Report (Form 13) to the Department Office every odd-numbered semester.
- ② The Research Performance Report is evaluated by the Department Committee into three levels: A (excellent), B (average), and C (poor). The evaluation of the Research Performance Report is referred to for laboratory assignments and recommendations

of students for scholarships.

Article 34 (Teaching Assistantship Activity)

- ① The Teaching Assistantship Activity refers to the participation in education for classes and academic activities for undergraduate and graduate subjects as a Teaching Assistant (TA).
- ② Teaching Assistants are recommended by the Department Committee, are selected by the Department Head, and must satisfy the following requirements.
 1. Students enrolled within their fourth semester for Master's students, eighth semester for Ph.D. students, and twelfth semester for Joint (Master's & Ph.D.) students
 2. Students who are not professional research personnel
 3. Students who have passed the Undergraduate Basic Exam (does not apply to students in their first semester).
- ③ Even if a student is recommended by the Department Committee, if they neglect their TA duties without justifiable cause or perform their TA duties irresponsibly, they may be excluded from laboratory assignment and recommendation for scholarships.

Article 35 (Laboratory Assignment)

- ① Laboratory seats are assigned every semester, and students who are in Regular Registration or Research Registration are assigned seats in the following order of priority.
 1. Students in their first semester of each degree program
 2. Students performing teaching assistantship activities as outlined in Article 34

3. Students who have passed the Comprehensive Exam and received a recommendation from their advisor
 4. Students who have been approved by the Department Head
- ② Students who meet the requirements in Section 1 may still be excluded from laboratory assignment if any of the following apply.
1. If the student has not observed the working hours laid out in Article 31
 2. If the student has not participated in the poster presentation (without valid reason) laid out in Article 32
 3. If the student has received a grade of C (inadequate) in their research performance report evaluation laid out in Article 33, Section 2
 4. If the student has refused to fulfill or behaved irresponsibly in their Teaching Assistantship duties laid out in Article 34, Section 3
- ③ Laboratory assignments for unregistered students (including those on a leave of absence) is approved by the Department Committee.

Chapter 11: MISCELLANEOUS

Article 36 (Recommendation of Research Scholarship Students for BK21)

- ① At the beginning of each semester, the Department Committee will recommend BK21 research scholarship students for the semester, in accordance with the standards set by the Ministry of Education.
- ② The Department Committee will select research scholarship students under the standards below. Students who are in their fourth semester or more in each of the degree programs must be recommended by their Advisor. The Outstanding Research Performance below refers to the performance under Article 28, Section 2, Subsection

3 of the Academic Graduation Requirements.

1. Students of each degree program in their first semester
2. Students of each degree program in their second semester who have passed their Undergraduate Basic Exam
3. Students of each degree program in their third semester who have passed both their Undergraduate and Graduate Basic Exams
4. Students of each degree program in their fourth semester who have passed both their Undergraduate and Graduate Basic Exams and have been recommended by their advisor (Master's students must pass their Qualification Exams by their third semester).
5. Students in the Ph.D. or Joint (Master's & Ph.D.) degree programs within their sixth semester who have passed both their Undergraduate and Graduate Basic Exams and have been recommended by their advisor. (Priority: Outstanding Research Performance > passing the research presentation exam > regular registration > current semester)
6. Students in the Ph.D. degree program within their eighth semester or students in the Joint (Master's & Ph.D.) degree program within their tenth semester who have been recommended by their advisor and fulfill the following requirements.
 - (a) Ph.D. degree program: passed the Dissertation Qualification Exam by their sixth semester (priority: outstanding research performance > current semester)
 - (b) Joint (Master's & Ph.D.) degree program: passed the Comprehensive Exam (consisting of the Undergraduate Basic Exam, Graduate Basic Exam, and Research Presentation Exam) by their eighth semester

(priority: outstanding research performance > passed the Dissertation Qualification Exam > current semester)

7. Students in the Joint (Master's & Ph.D.) degree program within their twelfth semester who have passed their Dissertation Exam by their tenth semester and have been recommended by their advisor (priority: outstanding research performance > current semester)

③ Students who have met the standards listed under Section 2 may still be excluded from recommendation as a research scholarship student if any of the following apply.

1. If the student has not observed the working hours laid out in Article 31
2. If the student has not participated in the poster presentation (without valid reason) laid out in Article 32
3. If the student has received a grade of C (inadequate) in their research performance report evaluation laid out in Article 33, Section 2
4. If the student has refused to fulfill or behaved irresponsibly in their Teaching Assistantship duties laid out in Article 34, Section 3

④ BK21 research scholarship students are selected with the approval of the BK21 Project Head.

<SUPPLEMENTARY PROVISIONS>

① (Enforcement Date) These bylaws are effective from the second semester of the 2020 academic year.

(Transitional Measures) Students who entered the Department before the first semester of the 2020 academic year will be held to the previously existing Qualification Exam regulations, but students who entered the Department after the

first semester of the 2018 academic year may choose to adhere to the Qualification Exam regulations laid out in these bylaws. Notwithstanding Section 2 of Article 16, the Undergraduate Basic Exam will be conducted once each in November 2020 and May 2021 but will be limited to students for whom two semesters have not passed since admission.