

Registration Regulations for the Graduate School of Materials Science at the Nara Institute of Science and Technology

April 1, 2004
Regulation No. 22

Article 1 (Purpose)

These regulations stipulate matters necessary for registration by students of the Graduate School of Materials Science in accordance with Article 34 of the Regulations of Nara Institute of Science and Technology (2004 Regulations No. 1) (“NAIST Regulations”).

Article 2 (Research instructors)

1. Two or more research instructors of different courses, etc. shall be designated for each student to provide guidance on choosing subjects and preparing a degree thesis, etc. (hereinafter referred to as “research guidance”).
2. One of such research instructors shall be designated as the main research instructor.
3. Research instructors may be changed if needed in the course of studying or research guidance.

Article 3 (Research guidance)

The details of research guidance shall be defined for respective students.

Article 4 (Subjects and number of credits)

1. The subjects, number of credits, and registration methods for the Master’s Course shall be as shown in Schedule 1 and Schedule 2.
2. The subjects, number of credits, and registration methods for the Doctoral Course shall be as shown in Schedule 3.

Article 5 (Registration procedures)

1. Students shall be required to submit the prescribed registration form, under the guidance offered by the main research instructor, to the dean of the graduate school by the specified date.
2. Students who want to change their chosen subjects written on the registration form shall report the changes to the dean of the graduate school, with the approval of the faculty member in charge of such subjects and the main research instructor.

Article 6 (Awarding of credits)

1. Credits shall be awarded by means of an examination or a research report. Credits may be awarded based on an evaluation of day-to-day study activities, instead of such examination.
2. Academic performance based on an examination or a research report shall be evaluated by points (full score: 100 points); 60 points or more is a “pass”, and 59 points or less is a “fail”. For evaluation purposes, academic performance may be represented as “Excellent,” “Good,” “Fair,” and “Fail” in accordance with the categories below.

(1) 80 points or more	Excellent
(2) 70–79 points	Good
(3) 60–69 points	Fair
(4) 59 points or less	Fail

3. In the event that it is difficult to evaluate academic performance based on points as described in the preceding paragraph, “pass” or “fail” may be used instead of such points.

4. Prescribed credits shall be awarded to students whose academic performance is “pass” in accordance with the two preceding paragraphs.

5. Subjects whose credits have been earned cannot be taken again.

Article 7 (Approval of research guidance)

Research guidance shall be approved by the main research instructor and reported to the dean of the graduate school.

Article 8 (Theme of the degree thesis)

Students shall be required to report the theme of their degree thesis by the specified date, with the approval of the main research instructor.

Article 9 (Submission of the degree thesis)

1. Students are required to submit a degree thesis by the specified date, with the approval of the main research instructor.

2. A degree thesis can be submitted by students who (i) have earned or who are expected to earn credits necessary for completion of the course and (ii) have completed the necessary research guidance offered by research instructors.

Article 10 (Disqualification of credits for students who have been expelled due to unpaid tuition)

Credits accrued during the period of unpaid tuition will be disqualified when the student has been expelled from school, pursuant to Article 53-2 (4) of Regulation.

Article 11 (Miscellaneous provision)

Other matters relating to registration by students shall be stipulated separately.

Supplementary provisions

(Effective date)

1. These Regulations shall come into effect on April 1, 2004.

(Transitional measures)

2. For students who were admitted in academic year 2003 or earlier (hereinafter referred to as “enrolled students”), the former Registration Regulations for the Graduate School of Materials Science at the Nara Institute of Science and Technology shall remain in effect even after these Regulations come into effect. In the event that enrolled students take subjects within the scope of these Regulations, such subjects shall be deemed to be replaced with former subjects as set forth separately.

(an omission)

Supplementary provisions

(Effective date)

1. These Regulations shall come into effect on April 1, 2012.

(Transitional measures)

2. For students who were admitted in academic year 2011 or earlier (hereinafter referred to as “enrolled students”), the former Registration Regulations for the Graduate School of Materials Science at the Nara Institute of Science and Technology shall supersede these Regulations after revision. In the event that enrolled students take subjects within the scope of these Regulations, such subjects shall be deemed to be replaced with former subjects as set forth separately.

Supplementary provisions

(Effective date)

1. These Regulations shall come into effect on April 1, 2013.

(Transitional measures)

2. For students who were admitted in academic year 2012 or earlier (hereinafter referred to as “enrolled students”), the former Registration Regulations for the Graduate School of Materials Science at the Nara Institute of Science and Technology shall supersede these Regulations after revision. In the event that enrolled students take subjects within the scope of these Regulations, such subjects shall be deemed to be replaced with former subjects as set forth separately.

Supplementary provisions

(Effective date)

1. These Regulations shall come into effect on April 1, 2014.

(Transitional measures)

2. For students who were admitted in academic year 2013 or earlier (hereinafter referred to as “enrolled students”) with regard to subjects, number of credits, and registration, the former Registration Regulations for the Graduate School of Materials Science at the Nara Institute of Science and Technology shall supersede these Regulations after revision notwithstanding the provisions of appended Schedule 1 and 2. In the event that enrolled students take subjects within the scope of these Regulations, such subjects shall be deemed to be replaced with former subjects as set forth separately.

Supplementary provisions

(Effective date)

1. These Regulations shall come into effect on April 1, 2015.

(Transitional measures)

2. For students who were admitted in academic year 2014 or earlier (hereinafter referred to as “enrolled students”) with regard to subjects, number of credits, and registration, the former Registration Regulations for the Graduate School of Materials Science at the Nara Institute of Science and Technology shall supersede these Regulations after revision notwithstanding the provisions of appended Schedule 1 and 2. In the event that enrolled students take subjects within the scope of these Regulations, such subjects shall be deemed to be replaced with former subjects as set forth separately.

Supplementary provisions

(Effective date)

1. These Regulations shall come into effect on April 1, 2016.

(Transitional measures)

2. For students who were admitted in academic year 2015 or earlier (hereinafter referred to as “enrolled students”) with regard to subjects, number of credits, and registration, the former Registration Regulations for the Graduate School of Materials Science at the Nara Institute of Science and Technology shall supersede these Regulations after revision notwithstanding the provisions of appended Schedule 1, 2 and 3. In the event that enrolled students take subjects within the scope of these Regulations, such subjects shall be deemed to be replaced with former subjects as set forth separately.

Supplementary provisions

(Effective date)

1. These Regulations shall come into effect on April 1, 2017.

(Transitional measures)

2. For students who were admitted in academic year 2016 or earlier (hereinafter referred to as “enrolled students”) with regard to

subjects, number of credits, and registration, the former Registration Regulations for the Graduate School of Information Science at the Nara Institute of Science and Technology shall supersede these Regulations after revision notwithstanding the provisions of appended Schedule 1 and 2. In the event that enrolled students take subjects within the scope of these Regulations, such subjects shall be deemed to be replaced with former subjects as set forth separately.

Curriculum table of the Graduate School of Materials Science (Master's Course)

(1) Subject name, etc.

Category	Subject name	Subject Number	Number of credits	α course		π course		σ COURSE				Remarks
				Required/ elective	Number of credits required for completion	Required/ elective	Number of credits required for completion	Research thesis		Thematic research		
								Required/ elective	Number of credits required for completion	Required/ elective	Number of credits required for completion	
Common Subjects	Computer System	000101	1	○, (*)		○, (*)		○, (*)		○, (*)		Common Subjects for All Graduate Schools Common Subjects for All Graduate Schools
	Algorithm	000102	1	○, (*)		○, (*)		○, (*)		○, (*)		
	Introduction to Biological Science	000202	1	○, (*)		○, (*)		○, (*)		○, (*)		
	Introduction to Materials Science	000301	1	△	3	△	3	△	3	△	3	
	Perspectives on Science and Technology	000201	1	○, (*)		○, (*)		○, (*)		○, (*)		
	Philosophy of Science	000103	1	○, (*)		○, (*)		○, (*)		○, (*)		
	Technology and Professional Ethics	000302	1	◎		◎		◎		◎		
	Science Communication	000203	1	○, (*)		○, (*)		○, (*)		○, (*)		
General Subjects	Mathematical Analyses for Materials Science	311001	1	△		△		△		△		If students have received credit for Material Science English II A or Material Science English III A (master's program), they may not earn credits in the respective Material Science English II B or Material Science English III B (doctoral program). Subject in Information Science Subject in Information Science Subject in Information Science Subject in Information Science Subject in Information Science
	Materials Science English I	311002	1	◎		◎		◎		◎		
	Materials Science English II A	312003	1	△		△		△		△		
	Materials Science English III A	313004	1	△		△		△		△		
	Science & Technology Policy and Intellectual Property	310005	1	◎	3	◎	3	◎	3	◎	3	
	Science Literacy	310006	1	◎		◎		◎		◎		
	Global Entrepreneur I	111011	1	△		△		△		△		
	Global Entrepreneur II	111012	1	△		△		△		△		
	Global Entrepreneur III	112013	1	△		△		△		△		
	Global Entrepreneur IV	112014	1	△		△		△		△		
	Global Entrepreneur V	112015	1	△		△		△		△		
Basic Subjects	Opto-Nano Science I	320001	1	◎		◎		◎		◎		Students are required to earn two credits, respectively, by taking the required elective subjects in the basic subjects.
	Opto-Nano Science II	320002	1	◎		◎		◎		◎		
	Opto-Nano Science Core I	321103	1	◎		◎		◎		◎		
	Opto-Nano Science Core II	321104	1	◎		◎		◎		◎		
	Opto-Nano Science Core III	321305	1	◎		◎		◎		◎		
	Opto-Nano Science Core IV	321306	1	◎		◎		◎		◎		
	Solid State Physics I	321107	1					□		□		
	Solid State Physics II	321108	1					□		□		
	Organic Chemistry I	321309	1					□		□		
	Physical Chemistry and Biochemistry II	321310	1		10		10	□	10	□	10	
	Advanced Materials Science I	321111	1	□		□						
	Advanced Materials Science II	321312	1	□		□						
	Advanced Materials Science III	321113	1	□		□						
	Advanced Materials Science IV	321314	1	□		□						
	Modern Quantum Mechanics	321115	1	○		○		○		○		
	Advanced Semiconductor Engineering	321216	1	○		○		○		○		
	Advanced Optoelectronics	321217	1	○		○		○		○		
	Advanced Electronics Materials Engineering	321218	1	○		○		○		○		
	Modern Organic Chemistry	321319	1	○		○		○		○		
Advanced Polymer Chemistry	321320	1	○		○		○		○			
Modern Inorganic Chemistry	321321	1	○		○		○		○			
Advanced Biochemistry	321622	1	○		○		○		○			

Category	Subject name	Subject Number	Number of credits	α COURSE		π COURSE		σ COURSE				Remarks
				Required/elective	Number of credits required for completion	Required/elective	Number of credits required for completion	Research thesis		Thematic research		
								Required/elective	Number of credits required for completion	Required/elective	Number of credits required for completion	
Specialized Subjects	Optical and Magnetic Properties of Matter Special	332101	1	○		○		○		○		
	Electronic Properties and Atomic Structures of Solids and Surfaces Special	332102	1	○		○		○		○		
	Photonics Special	332203	1	○		○		○		○		
	Information Device Special	332204	1	○		○		○		○		
	Molecular Photoscience Special	332305	1	○		○		○		○		
	Advanced Organic Reactions and Stereochemistry Special	332306	1	○	4	○	4	○	4	○	6	
	Biofunctional Materials Special	332607	1	○		○		○		○		
	Biomaterials Science Special	332608	1	○		○		○		○		
	Advanced Industrial Science and Technology Special	332009	1	○		○		○		○		
	Materials Science Special I	332110	1	○		○		○		○		
	Materials Science Special II	332211	1	○		○		○		○		
	Materials Science Special III	332312	1	○		○		○		○		
	Materials Science Special IV	332613	1	○		○		○		○		
	Experiments in Materials Science	340001	2	⊙	2	⊙	2	⊙	2	⊙	2	
Seminar A	340002	1	⊙		⊙		⊙		⊙			
Seminar B	340003	2		3	⊙	2	⊙	2	⊙	2		
Interdisciplinary Seminar A	340004	1			⊙							
Interdisciplinary Seminar B	340005	2	⊙									
Research Thesis	350001	6			⊙		⊙	6				
Specialized Research on Materials Science	350002	5	⊙	5		6	⊙	6		4		
Research on Materials Science	350003	4							⊙			
Number of credits required for completion					30		30		30		30	

1. In the “Required/elective” column, ⊙, □, and ○ represent required subjects, required elective subjects, and elective subjects, respectively.

2. In the “Required/elective” column, subjects marked △ do not count as credits toward the completion requirements.

(2) Registration requirements

- Students are required to earn 30 credits or more in total as shown in the table above.
- Students are required to select the α course, π course, or σ course under the guidance of Educational Affairs Committee
- Students who select the σ course are required to select either research thesis or thematic research based on consultation with the main research instructor.
- Students are required to take required elective subjects in the basic subjects designated by the main research instructor.
- If students change the course between the $\alpha \cdot \pi$ course and the σ course, the required elective subjects in the Basic Subjects the student took before changing can be regarded as credits earned by taking them in the changed course
- In accordance with Article 37 of the NAIST Regulations, up to two credits in total earned by taking (i) subjects offered by other NAIST graduate schools and (ii) (*)-marked common subjects may be counted as credits earned by taking special subjects that constitute the completion requirements, if the total amount of credits earned from these classes exceeds two credits.

(3) Numbering Information

Subject numbers consist of 6-digit numbers based on levels, difficulties, and other elements of courses. Please review the following information carefully before you register for courses.

First digit: The first digit in the 6-digit numbers indicates categories of common subjects or subjects offered by each Graduate School:

- 0XXXXX = Common Subjects for All Graduate Schools
- 1XXXXX = Subjects offered by the Graduate School of Information Science
- 2XXXXX = Subjects offered by the Graduate School of Biological Sciences
- 3XXXXX = Subjects offered by the Graduate School of Materials Science

Second digit : The second digit in the 6-digit numbers indicates levels of subjects:

- X0XXXX = Common subjects [For master’s course]
- X1XXXX = General subjects [For master’s course]
- X2XXXX = Basic subjects [For master’s course]
- X3XXXX = Specialized subjects [For master’s course]
- X4XXXX = Advanced topics (Laboratory Activities) / Seminar [For master’s course]
- X5XXXX = Thesis / Specialized research / Research [For master’s course]
- X6XXXX = Doctoral subjects (Except below doctoral subject) [For doctoral course]
- X7XXXX = Dissertation / Research [For doctoral course]

Third digit : The third digit in the 6-digit numbers indicates difficulties of subjects:

XX0XXX = No category

XX1XXX = Basic

XX2XXX = Intermediate

XX3XXX = Advanced

Fourth digit: The fourth digit in the 6-digit numbers indicates a field code of the lecture:

XXX1XX = physics, XXX2XX = electronics & devices, XXX3XX = chemistry, XXX4XX = biology (animals),

XXX5XX = biology (plants), XXX6XX = biology (others), XXX7XX = informatics (mathematics), XXX8XX = informatics (language), XXX9XX = informatics (programming), XXX0XX = others

Fifth and Sixth digits: The fifth and sixth digits in the 6-digit numbers indicate serial numbers in each category indicated by the second digit:

XXXX01 ~ XXXX50 = general course, XXXX51 ~ XXXX99 = international course

Regarding the fourth to sixth digits in the 6-digit numbers of common subjects or subjects offered by other Graduate Schools refer to the following.

i) For common subjects with the first digit of “0”, please refer to the following guideline.

Fourth digit: The fourth digit in the 6-digit numbers indicates categories of subjects offered by each Graduate School:

XXX1XX = Subjects offered by the Graduate School of Information Science

XXX2XX = Subjects offered by the Graduate School of Biological Sciences

XXX3XX = Subjects offered by the Graduate School of Materials Science

Fifth and Sixth digits: The fifth and sixth digits in the 6-digit numbers indicate serial numbers assigned by each Graduate School.

XXXXXX = Serial numbers (ranging from 01 to 99) assigned by each Graduate School

ii) For subjects offered by other Graduate Schools with the first digit of “1 or 2”, please refer to other Graduate Schools guideline.

Schedule 2 (supplement to Article 4, Paragraph 1)

Curriculum table of the Graduate School of Materials Science (Master's Course: i course)

(1) Subject name, etc.

Category	Subject name	Subject Number	Number of credits	i course		Remarks
				Required/elective	Number of credits required for completion	
Common Subjects	Technology and Professional Ethics (i)	000105	1	○	8	Common Subjects for All Graduate Schools
	Japanese Class for Beginners I (i)	000303	2	○		Common Subjects for All Graduate Schools
	Japanese Class for Beginners II (1) (i)	000204	1	○		Common Subjects for All Graduate Schools
	Japanese Class for Beginners II (2) (i)	000205	1	○		Common Subjects for All Graduate Schools
	Japanese Class for Beginners III (1) (i)	000206	1	○		Common Subjects for All Graduate Schools
	Japanese Class for Beginners III (2) (i)	000207	1	○		Common Subjects for All Graduate Schools
	Japanese Culture (i)	000105	2	○		Common Subjects for All Graduate Schools
General Subjects	Mathematical Analysis for Materials Science (i)	311051	1	○	4	“Intellectual Property Rights” provided by Information Science “Intercultural Communication” provided by Information Science
	Materials Science English I (i)	311052	1	◎		
	Materials Science English II (i)	312053	1	○		
	Materials Science English III (i)	313054	1	○		
	Science Literacy (i)	310055	1	◎		
	Intellectual Property Rights (i)	110010	1	○		
	Intercultural Communication (i)	110009	1	○		
Basic Subjects	Photonic Nanoscience I (i)	320051	1	◎	4	
	Photonic Nanoscience II (i)	320052	1	◎		
	Photon and Condensed Matters I (i)	321153	1	○		
	Photon and Condensed Matters II (i)	321154	1	○		
	Photon and Molecules I (i)	321355	1	○		
	Photon and Molecules II (i)	321356	1	○		
Specialized Subjects	Quantum Molecular Science (i)	332151	1	○	5	
	Surface Science (i)	332152	1	○		
	Advanced Photonic Devices (i)	332253	1	○		
	Information Device Science (i)	332254	1	○		
	Technology for Advanced Measurement (i)	332255	1	○		
	Electronic and Magnetic Structure (i)	332156	1	○		
	Synthetic Organic Chemistry (i)	332357	1	○		
	Biomolecular Chemistry (i)	332658	1	○		
	Advanced Biomaterials (i)	332659	1	○		
	Photochemical Materials (i)	332360	1	○		
	Organic Functional Materials (i)	332361	1	○		
	Advanced Polymers and Molecular Assemblies (i)	332362	1	○		
	Materials Science Special I (i)	332063	1	○		
	Materials Science Special II (i)	332064	1	○		
Experiments in Materials Science (i)	340051	3	◎	3		
Seminar (i)	340052	2	◎	2		
Interdisciplinary Seminar (i)	340053	2	◎	2		
Research Thesis (i)	350051	6	◎	6		
Number of credits required for completion					30	
In the “Required/elective” column, ◎ and ○ represent required subjects and elective subjects, respectively.						

(2) How to read the subject numbers

Subject numbers consist of 6-digit numbers based on levels, difficulties, and other elements of courses. Please review the following information carefully before you register for courses.

First digit : The first digit in the 6-digit numbers indicates categories of common subjects or subjects offered by each Graduate School:

- 0XXXXX = Common Subjects for All Graduate Schools
- 1XXXXX = Subjects offered by the Graduate School of Information Science
- 2XXXXX = Subjects offered by the Graduate School of Biological Sciences
- 3XXXXX = Subjects offered by the Graduate School of Materials Science

Second digit : The second digit in the 6-digit numbers indicates levels of subject

- X0XXXX = Common subjects [For master's course]
- X1XXXX = General subjects [For master's course]
- X2XXXX = Basic subjects [For master's course]
- X3XXXX = Specialized subjects [For master's course]
- X4XXXX = Advanced topics (Laboratory Activities) / Seminar [For master's course]
- X5XXXX = Thesis / Specialized research / Research [For master's course]
- X6XXXX = Doctoral subjects (Except below doctoral subject) [For doctoral course]
- X7XXXX = Dissertation / Research [For doctoral course]

Third digit : The third digit in the 6-digit numbers indicates difficulties of subjects:

- XX0XXX = No category
- XX1XXX = Basic
- XX2XXX = Intermediate
- XX3XXX = Advanced

Fourth digit : The fourth digit in the 6-digit numbers indicates a field code of the lecture:

- XXX1XX = physics, XXX2XX = electronics & devices, XXX3XX = chemistry, XXX4XX = biology (animals),
- XXX5XX = biology (plants), XXX6XX = biology (others), XXX7XX = informatics (mathematics), XXX8XX = informatics (language), XXX9XX = informatics (programming), XXX0XX = others

Fifth and Sixth digits: The fifth and sixth digits in the 6-digit numbers indicate serial numbers in each category indicated by the second digit:

- XXXX01 ~ XXXX50 = general course, XXXX51 ~ XXXX99 = international course

Regarding the fourth to sixth digits in the 6-digit numbers of common subjects or subjects offered by other Graduate Schools refer to the following.

i) For common subjects with the first digit of "0", please refer to the following guideline.

Fourth digit : The fourth digit in the 6-digit numbers indicates categories of subjects offered by each Graduate School:

- XXX1XX = Subjects offered by the Graduate School of Information Science
- XXX2XX = Subjects offered by the Graduate School of Biological Sciences
- XXX3XX = Subjects offered by the Graduate School of Materials Science

Fifth and Sixth digits: The fifth and sixth digits in the 6-digit numbers indicate serial numbers assigned by each Graduate School.

- XXXXXX = Serial numbers (ranging from 01 to 99) assigned by each Graduate School

ii) For subjects offered by other Graduate Schools with the first digit of "1 or 2", please refer to other Graduate Schools guideline.

Curriculum table of the Graduate School of Materials Science (Doctoral Course)

(1) Subject name, etc.

Category	Subject name	Subject Number	Number of credits	α course		π course		τ course		DD course		Remarks			
				Required/elective	Number of credits required for completion	Required/elective	Number of credits required for completion	Required/elective	Number of credits required for completion	Required/elective	Number of credits required for completion				
Internationalization subjects	Materials Science English II B	362001	1	○	2	○	1			○	1	If students have received credit for Material Science English II A or Material Science English III A (master's program), they may not earn credits in the respective Material Science English II B or Material Science English III B.			
	Materials Science English III B	363002	1	○		○				○					
	Practical English for Materials Science	363003	2	○		○				○					
	Science Literacy (Advanced Course I)	360004	1	○		○				○					
	Science Literacy (Advanced Course II)	360005	1	○		○				○					
	International Internship	360006	2	○		○				○					
	Interdisciplinary Internship	360007	1	○		○				○					
	Photonic Nanoscience Special	360008	1	○		○				○					
Interdisciplinary subject	Interdisciplinary Materials Science	360009	1		◎	1			◎	1	Students in DD course are able to earn a credit of Interdisciplinary Materials Science when the students have earned credits of subject held in the partner university, which can be certified as an interdisciplinary special subject.				
Research management	Research Management Exercise A	370001	1	◎	1		1		3		1				
	Research Management Exercise B	370002	1										◎	◎	
	Research Management Exercise C	370003	1											◎	◎
	Exercise in Advanced Materials Science	370004	2											◎	◎
Interdisciplinary seminars	Seminar for Interdisciplinary Materials Science A	370005	1	○	1	○	1	○	1	○	1				
	Seminar for Interdisciplinary Materials Science B	370006	1	○									○	○	
	Seminar for Interdisciplinary Materials Science C	370007	1	○									○	○	
General research	Advanced Materials Science	370008	6	◎	6	◎	6	◎	6	◎	6				
Number of credits required for completion					10		10		10		10				

In the "Required/elective" column, ◎ and ○ represent required subjects and elective subjects, respectively.

(2) Registration requirements

A. Students are required to earn 10 credits or more in total as shown in the table above.

B. Students who are admitted to NAIST into the Doctoral Course (i.e. not α course) are required to select the π course or the τ course.

(3) Numbering Information

Subject numbers consist of 6-digit numbers based on levels, difficulties, and other elements of courses. Please review the following information carefully before you register for courses.

First digit: The first digit in the 6-digit numbers indicates categories of common subjects or subjects offered by each Graduate School:

0XXXXX = Common Subjects for All Graduate Schools

1XXXXX = Subjects offered by the Graduate School of Information Science

2XXXXX = Subjects offered by the Graduate School of Biological Sciences

3XXXXX = Subjects offered by the Graduate School of Materials Science

Second digit : The second digit in the 6-digit numbers indicates levels of subjects:

- X0XXXX = Common subjects [For master's course]
- X1XXXX = General subjects [For master's course]
- X2XXXX = Basic subjects [For master's course]
- X3XXXX = Specialized subjects [For master's course]
- X4XXXX = Advanced topics (Laboratory Activities) / Seminar [For master's course]
- X5XXXX = Thesis / Specialized research / Research [For master's course]
- X6XXXX = Doctoral subjects (Except below doctoral subject) [For doctoral course]
- X7XXXX = Dissertation / Research [For doctoral course]

Third digit : The third digit in the 6-digit numbers indicates difficulties of subjects:

- XX0XXX = No category
- XX1XXX = Basic
- XX2XXX = Intermediate
- XX3XXX = Advanced

Fourth digit : The fourth digit in the 6-digit numbers indicates a field code of the lecture:

- XXX1XX = physics, XXX2XX = electronics & devices, XXX3XX = chemistry, XXX4XX = biology (animals),
- XXX5XX = biology (plants), XXX6XX = biology (others), XXX7XX = informatics (mathematics), XXX8XX = informatics (language), XXX9XX = informatics (programming), XXX0XX = others

Fifth and Sixth digits : The fifth and sixth digits in the 6-digit numbers indicate serial numbers in each category indicated by the second digit:

- XXXXXX = serial numbers ranging from 01 to 99

Regarding the fourth to sixth digits in the 6-digit numbers of common subjects or subjects offered by other Graduate Schools refer to the following.

i) For common subjects with the first digit of "0", please refer to the following guideline.

Fourth digit : The fourth digit in the 6-digit numbers indicates categories of subjects offered by each Graduate School:

- XXX1XX = Subjects offered by the Graduate School of Information Science
- XXX2XX = Subjects offered by the Graduate School of Biological Sciences
- XXX3XX = Subjects offered by the Graduate School of Materials Science

Fifth and Sixth digits : The fifth and sixth digits in the 6-digit numbers indicate serial numbers assigned by each Graduate School.

- XXXXXX = Serial numbers (ranging from 01 to 99) assigned by each Graduate School

ii) For subjects offered by other Graduate Schools with the first digit of "1 or 2", please refer to other Graduate Schools guideline.