❒ Structure

1. Basic policy of curriculum operation

The education at Korea Advanced Institute of Science and Technology (KAIST) is focused on cultivating problem solving capability and independent creative research ability in addition to the traditional education by lectures. The curriculum is organized and integrated to lead from bachelor's to master's to PhD course; mutually recognized subjects between each course are established and determined by the applicable department (major) and specified in the department (major) curriculum.

2. Curriculum Classification

A. Courses are divided into subject courses and research courses.

◦ Subject courses for the undergraduate program are divided into general, basic, and major courses. General courses include mandatory general courses, and elective general courses in humanities & social science. Basic courses include mandatory basic course and elective major courses. Major courses include mandatory and elective major courses. Research courses include B. S. thesis research, internship program & research, individual study, and seminar.

◦ The subject courses for master's and doctorate programs are divided into mandatory general, mandatory major and elective major courses. Research courses include thesis research, internship program & research, individual research, and seminar.

B. The composition of the subject is determined based on the need of each department (major) by each department (major) and the credits assigned are assigned based on the importance of the subject and the hours required for lecture and experimentation.

3. Course Code and Number

<table>
<tr><th>Course No.</th><th colspan="2">Course</th><th>Course No.</th></tr>
<tr><td>000</td><td>Course without credit</td><td>CC</td><td>000</td></tr>
<tr><td>100</td><td rowspan="3">Bachelor's Courses</td><td rowspan="3"></td><td>100</td></tr>
<tr><td>200</td><td>200</td></tr>
<tr><td>300</td><td>300</td></tr>
<tr><td>400</td><td rowspan="2">Course Restrictively Counted as
Both Undergraduate & Graduate Course</td><td>400</td></tr>
<tr><td>500</td><td rowspan="2">Master's Courses</td><td>500</td></tr>
<tr><td>600</td><td rowspan="3"></td><td>600</td></tr>
<tr><td>700</td><td rowspan="2">Doctoral Courses</td><td>700</td></tr>
<tr><td>800</td><td>800</td></tr>
<tr><td>900</td><td colspan="2">Seminar, Paper, Independent Study, etc. (Satisfactory-Unsatisfactory Course)</td><td>900</td></tr>
</table>

a. Courses are marked with a course code, which is considered appropriate for describing the characteristics of the department/major, before the course number.

b. The following numbering system is applied to the courses:

◦ Non-accredited courses are coded as "CC" and given a three-digit number between 000 and 099.

◦ Undergraduate courses are given a three-digit number between 100 and 499.

- For liberal arts and basic courses, a three-digit number (i.e. 100-199, 200-299) is given depending on their difficulty levels.
- For major courses, a three-digit number (i.e. 200-299, 300-399, 400-499) is given depending on their difficulty levels.

◦ Graduate courses are given a three-digit number between 500 and 899.

- Mandatory general courses are coded as "CC" and given a three-digit number between 500 and 599.

- Mandatory major courses and electives are given a three-digit number depending on their difficulty levels: 500-699 for master's and professional master's courses; and 700-899 for doctor's courses.

◦ Mutually recognized courses for undergraduate and master's students are given a three-digit number between 400 and 599.

◦ Graduation Research, Thesis Research, Individual Research, Seminar and other S-U courses are given a three-digit number between 400 and 499 or between 900 and 999.

- Graduation Research is marked with 490 (undergraduate); Thesis Research with 960 (master's and professional master's) and 980 (doctor's); and Practicum and Research with 498 and 499 (undergraduate), respectively.
- Individual Research is marked with 495 (undergraduate), 965 (master's) and 985 (doctor's); Seminar with 496 (undergraduate), 966 (master's) and 986 (doctor's); and Thesis Seminar with 967 (master's) and 987 (doctor's).

c. Examples of course code and number

◦ The characteristics of the department/major are marked in English characters first and then a three-digit course number is given.

◦ The first digit of the three-digit number indicates the difficulty level of a course; the remaining two digits constitute a random course number unique for the course.

(e.g.) PH221 - Classical Dynamics I

PH: Department/major characteristics; 2##: Difficulty level; #21: Random course number

◦ Computer code

- Marked with a five-digit number (i.e. ##.###), the computer code is used for computerized processing of courses and other purposes.

4. Credit classification and time indication

A. The course units are either credits or AU (Activity Unit), and the credit is classified into the subject credit and the research credit.

B. The subject credit can be classified into 1, 2, 3 and 4 credits depending on the importance and the number of class hours per week of the subject. 1 credit is given for a lecture of one hour per week for one semester or its equivalent number of hours. However, the experimental lab provides 1 credit for three hours per week for one semester of education or equivalent education hours.

C. Seminar credit shall be one credit per semester in principle, and depending on the requirement of each department (major), up to 2 credits can be granted. The assigned hours per week in a seminar are determined by each department (major).

D. Individual research credits can be granted up to 12 credits for each semester as decided by the advising professor of the student. However a total of 15 credits can not be exceeded.

E. Thesis research credits can be granted up to 3 credits for each semester as decided by the advising professor of the applicable student. However a total of 12 credits can not be exceeded.

F. AU is an activity for completing the physical education requirement, Humanity/Leadership and service activities that is not included in the graduation credit. 1 AU is an activity for one hour per week for one semester or the activity with equivalent hours.

G. Lecture: Lab: Credit (Assignment) → "Lecture" is a number of lecture hour per week, "Lab" is the experiment/lab hours per week, "Credit" is the total number of credits, and "Assignment" is the number of assignments per week.