

ARCHITECTURE PROGRAM REPORT

14 July 2006

Bachelor of Architecture Program

Department of Architecture, College of Engineering

Seoul National University

<http://architecture.snu.ac.kr>

Submitted to
the **Korea Architectural Accrediting Board (KAAB)**

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A Introduction to the Program

A1 Introduction to Seoul National University

A1-1 History of Seoul National University

Seoul National University (SNU) was founded in November 1945 by the Joseon Educational Council. The council consisted of approximately 100 academic professionals. The founding principle of SNU was based on the concept of "hongik ingan", which translates as "to benefit mankind on the basis of democracy and national identity". Under this principle, a vision was created to establish a modern national university by integrating all public colleges of Japanese colonial times in Seoul and its vicinity into one institution. Kyungseong(Seoul) Imperial University, the only Imperial university outside Japanese main lands at that time, was the primary institution under which this consolidation occurred. The National University Establishment Plan was drawn up by a Korean official positioned at the Educational Affairs Department of the US Trusteeship Agency. From this plan promulgated the 'Government ordinance for the establishment of Seoul National University' (on August 22, 1946). The founders of SNU located the graduate school and the administrative office of SNU within the campus of Kyungseong(Seoul) Imperial University where the college of Liberal Arts and Science was located. On the while, the other eight colleges which compose the SNU had their own campuses around Seoul where their predecessors were located.

SNU has become the Korean-version of an American Ivy League University in terms its academic standards and national prestige. As Korea's first national

university, Seoul National University is the most selective University in Korea.

SNU now has its main campus in southern Seoul in an area called Kwanak with additional campuses in Yeongun. The University is made up of 3 educational organizations, 6 administrative groups, 5 support facilities, 105 R&D centers, 30 annexes, 4 supplementary schools, corporation and other institutions. The 3 educational organizations are composed of 16 colleges, 1 graduate school and 5 professional schools staffed with 1,720 full-time and 2,396 part-time faculty members and 989 employees. SNU has 15,652 undergraduate students (registered 20,422) and 10,550 (registered 10,637 graduate students, with a combined total of 26,202 students.

FACULTY		Full-time					Others					Total	
		Professor	Associate professor	Assistant professor	Full-time lecturer	Subtotal	Professor emeritus	Visiting Professor	Part-time lecturer	Assistant	Contract professor		Subtotal
2005	No of persons	1,029	406	250	35	1720	548	161	1,211	408	68	2,396	4,116

STAFF		General						Liberal arts R&D	Technical Officer	School board	Police	Total
		Admin	Librarian	Technician	IT	Other	Subtotal					
2005	No of persons	188	86	100	27	15	416	6	333	221	13	989

STUDENT		Quota			Enrolled			Temporary absence		
		Undergraduate	Graduate	Total	Undergraduate	Graduate	Total	Undergraduate	Graduate	Total
2005	No of persons	15,652	10,550	26,202	20,422	10,637	31,059	5,319	1,940	7,259

AREA		School building	Gym	Lab	Experimental farm	Farm	Other	Total
2005	1,000 m ²	1,401	131	278	186,670	133	3,753	192,366

BUILDING AREA		School building		R&D	Auxiliary			Other	Total
		Basic facility	R&D		Special	Faculty Housing	Affiliated		
2005	m ²	421,485	113,142	269,459	12,717	53,772	95,310	108,399	1,074,284

Remark	<ul style="list-style-type: none"> - Basic facility: lecture room, lab, professor's office, admin, library, student union, head quarters - Supporting facility: gym., main hall, IT center, faculty housing - R&D: Lab, graduate R&D center, affiliated R&D center - Boarding house: dormitory for graduate students and faculty, dean's official residence 								
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Table 1 Overall Organization and Area of Description of SNU

A1-2 Introduction to the College of Engineering

The College of Engineering was created when the legislation was passed to establish SNU as a national university. On August 22, 1946 (with 10 Departments) the SNU College of Engineering integrated the College of Engineering and Science from Kyung Sung(Seoul) Imperial University, the Kyung Sung(Seoul) Engineering College and the Kyung Sung(Seoul) Mining College into one program. The College of Engineering is now on par with its global peers with 5 Schools and 4 Departments. The Department of Architecture is within the College of Engineering. As part of SNU, the College of Engineering moved to the Kwanak campus in Seoul in January 1980 to reinforce the creative exchange and cooperation with the other colleges within the University system. With additional government support, the College of Engineering has become one of the major schools within SNU. By the early 1990s, the number of students majoring in engineering increased to 9,248 enrolled students, including 6,567 undergraduate students, 1,890 master's degree students and 791 doctoral students with the entering class of 2006 standing at 780. The number of professors increased substantially to 298.

Korea's history of development from the end of WWII and the Korean War to the present is important in understanding the emphasis on pure and applied engineering. The impetus to rebuild the country after the devastation of the wars naturally encouraged the College of Engineering to develop its programs in applied and pure engineering. With the rebuilding of the country physically and economically, Korea was finally able to diversify its interests. Architectural studies began as an engineering based profession to rebuild the country but have

now developed into a much more integrated design and technology program that competes globally in the profession.

The College of Engineering has 18 buildings and 1,084 classrooms within the University Campus (roughly 92,400m² in building areas), with auxiliary laboratories and workshops. These contain fine instrument engineering rooms, equipment analysis rooms, material analysis rooms and electronic measurement rooms that support the extensive R&D programs within the College.

The College of Engineering, in addition to its primary goal of educating students, concentrates its efforts on problem-solving and applied R&D with the cooperation of relevant industries. Research centers have been established to take part in R&D activities led by the government, private enterprises, and international organizations. There are 11 engineering research institutes and 17 research centers which support R&D activities for professors and graduate students.

The Department of Architecture plays an important role in the College of Engineering. The Department brings together design, structure and technology into an integrated whole, as well as advanced research on design theory and new technology. The practice of architecture combines technological applications with strong design approaches.

The College of Engineering has established itself as a R&D-oriented college. The government and the Ministry of Education laid the foundation for the College to be a center for R&D with the government-initiated Brain Korea 21 (BK 21). This initiative designated 5 Schools and 4 Departments (including Architecture) as leaders in science technology. The BK 21 initiative encourages the participants to work globally.

A2 Educational Goals of SNU

A2-1 Mission of Seoul National University

SNU is the premier University in Korea and as such has the goal of educating its students to the highest international standards of academic achievement with the support of exceptional centers of Research and Development.

SNU devised a 10-year Development Plan for the University in 1977, which set a long-term goal of creating a graduate school-oriented university. The motto 'University of Research, University of the Nation, and University of the World' projects a future oriented course for the University. This Plan has become the guiding principle for the following initiatives: the 'Long-term Development Plan' of 1987 and the 'Blueprint for the 2000s' plan of 1995. At the moment, the University is constructing another 'Long-term Development Plan for the 2000s', which encourages the growth of SNU as a world class 'Research University'. The focus remains on the quality of the education as well as on the continued growth of the graduate schools and their research and development activities.

Seoul National University has the following vision:

1. A World-class University

- Globalization
- Facilitating and supporting studies and research
- A University that leads and supports the Globalization of the society

2. A University of Integration

- Integration of three basic principles: the development of research, education and community service
- Integration of studies: "Specialization and integration"
- Integration of curriculum: Combining undergraduate, master's and doctoral courses to reinforce academic excellence

3. An R&D-based University

- The creation of new knowledge bases
- The implementation of world class research, education and community service

In this regard, the University is making the following efforts:

1. Diversification

- The diversification of university faculty members
- The diversification of the student body
 - Recruitment of students with diverse talents in order to create a dynamic educational environment
 - Create synergies for students' potential by recruiting students with diverse social, ethnic, academic and creative backgrounds
 - Create an international environment by attracting competent overseas students
- The diversification of faculty
 - Recruit faculty who did not graduate from Seoul National University
 - Ensure gender equality in recruitment and in the working environment
 - Recruit foreign professors

2. Interdisciplinary Education

- Create academic excellence for a knowledge-based society
- Promote logical thinking
- Enhance communication skills
- Improve problem-solving ability
- Create a more dynamic environment by erasing barriers between disciplines
- Create an interdisciplinary environment for students; eliminating the barriers between science and the arts

3. Academic Excellence

- Reduce the size of the freshmen entering class
- Downsize the entry class of the Graduate Program
- To ensure the extraordinary quality educational services within an appropriate budget

4. Support: The Next Generation of Scholars

- Provide academic and financial support for the next generation scholars
- Encourage R&D
- Provide financial support for research

A2-2 Educational Goal of the College of Engineering

The College of Engineering, to which the Department of Architecture belongs, sets an educational goal of creating leaders in science, technology and design as well as in the associated professions that incorporate engineering as their base. The college also seeks to create an interdisciplinary environment for students; eliminating the barriers between science and the arts. The Department of Architecture is a natural meeting place for art and technology. The Department seeks to integrate the inventive use of technology with the creative undertaking of architectural design.

The undergraduate school creates leaders who will introduce new ideas and directions for the future. The graduate school takes this mandate a step further by educating graduate students to become professors and researchers.

The basic goals of the College of Engineering are as follows:

1. Basics qualifications for engineers

- core knowledge for professionals
- a strong design education
- in-depth knowledge and academic growth
- creative solutions to problem solving
- approach technological problems based on an economic perspective
- stimulate creative ability in problem solving

2. Social Responsibility

- societal interaction
- community membership
- cooperative and collaborative modes of working
- ethics
- global cultural understanding
- leadership in industry and society
- understanding of economics, management, law and environment
- planning, management and supervision
- information processing and communication

3. Leadership

- self-esteem in professional fields
- study approaches

- individual choice in curriculum
- in-depth studies
- evaluation system for students
- future career plans customized to each student's aptitude

4. Self Development

- individual initiative
- comprehensive view on his/her major
- close cooperation with companies/institutions
- interdisciplinary courses
- cutting edge technology
- technology-policy education

5. Initiation

- multimedia with cutting-edge technology
- regular evaluation for curricula and educational programs
- strengthen technology-policy education

A3 Program History

The Department of Architecture originated at Kyungseong(Seoul) Engineering College as the Department of Architectural Engineering. The Kyungseong(Seoul) Engineering College was founded in 1919 as the only government school of engineering in Korean Peninsula. The Department of Architecture was merged into the Seoul National University's College of Engineering in 1946. The Architectural Engineering Department put emphasis on liberal arts and the intersection of design and technology; core courses were in structural studies, design, interior design and urban planning. In the following years, the Department of Architectural Engineering expanded and added major courses in new fields. In the late 1950s, prominent professors were recruited; the curriculum was extended to 4 years and was revamped to reflect the US model. As an effort to upgrade the faculty of the Department of Architecture, SNU sent professors to study in Europe and the US. Professor Graffunder of Minnesota University became an advisor to the Department helped to establish a modern educational direction as part of Minnesota University's Aid Program in 1945.

In the 1960s, Department of Architecture Professors often were practicing professionals who encouraged practical experience for students. However, at the end of the 1960s, the government banned professors from keeping their professional architectural practices. Professors at SNU were now required to be full time academics. This approach negated the creative experiments in architecture that are a natural outgrowth of practicing professionals. To overcome the restrictions of this ban, beginning in 1977, the Department regularly invited practicing architects to student project reviews.

In 1975, the name of the Department was changed from the Department of

Architectural Engineering to the Department of Architecture. The name change reflects the nature of architectural education which integrates liberal arts, design and fine arts, science, technology and social studies. The Department developed significantly in the 1970's. The new Department of Architecture saw an increase in the number of architecture professors: there were 11 full time professors. In 1979, the College of Engineering moved from Kongrung-dong, Seoul to the Kwanak campus in Seoul, giving the College a new educational environment and much needed space. The Department of Architecture expanded into its new surroundings.

The Korean government introduced measures in the 80's and 90's to encourage the discipline of engineering (including all Departments within the College). Additional professors and design lecturers were recruited in the 1990s, encouraging the growth of the Department and its continued development. In 1998, the Interdisciplinary Program in Urban Design, a graduate course in urban planning, was established in cooperation with the Department of Civil, Urban & Geosystem Engineering, the Department of Landscape Architecture and Rural System Engineering at the College of Agriculture & Life Sciences, and the Graduate School of Environmental Studies.

In early 2002, a long-awaited curriculum revision was implemented; the Department of Architecture separated its undergraduate program into the Bachelor of Architecture Program and the Bachelor of Science in Architectural Engineering . SNU was the first university in Korea to separate the two disciplines. The Bachelor of Architecture Degree is a five-year professional degree program. The Bachelor of Science in Architectural Engineering , specializing in architectural engineering, is a four-year program. This new curriculum reflects a more international approach to the disciplines.

As part of an effort to foster world class graduate programs, the College of Engineering took part in the government-led ‘BK 21 Project’ (Brain Korea 21), to establish itself as a research-oriented university. As part of this initiative, the College of Engineering moved into a new building (#39) in January of 2006, to allow for the expansion of all of its programs. The Department of Architecture moved into this building, enabling it to provide an international level environment for its students. Currently, 9 professors lead the Bachelor of Architecture Program, with 7 professors leading the program in the Bachelor of Science in Architectural Engineering . 26 additional lecturers support these programs. An additional 16 graduate school instructors teach in the programs. Every year, 1~2 foreign visiting professors are invited to share their knowledge and academic trends with the students. The support staff consists of 3 fee-based assistants and 2 administrative staffs.

As of 2006, the undergraduate entering class for the Bachelor of Architecture Program was 26 students and the undergraduate entering class for the Bachelor of Science in Architectural Engineering was 25, respectively. Undergraduate students in both programs total 288, which break into 139 students for the Bachelor of Architecture Degree, 91 for the Bachelor of Science in Architectural Engineering Degree and 58 students from the old curriculum for a Bachelor in Science Degree. There are 146 graduate students (Architecture 81 and Architectural Engineering 65), with 34 students in doctoral programs. In total, 408 students are enrolled in the Department of Architecture.

Undergraduate students in the Bachelor of Science in Architectural Engineering Program take courses in the College of Engineering for a year; in their sophomore year they begin to take courses in the Department of Architecture. As of February

2006, 2,567 students received Bachelor of Science degrees, 905 received Master of Science degrees and 203 obtained Ph.D. degrees.

Affiliated organizations include AURIC(Architecture & Urban Research Information Center, designated by Korea Science & Engineering Foundation), IRICEE(Integrated Research Institute for Construction and Environmental Engineering), ICPM and IRCT(Innovative and Rapid Construction Technology development joint venture). A social education program, ACPMP (Advanced Construction Project Management Program), is run in cooperation with Construction & Economy Research Institute of Korea starting 2004, while the Department of Architecture took part in an Industrial Safety Manager course in 2005.

A4 Program Mission

A4-1 Educational Goals

The Bachelor of Architecture in the Department of Architecture supports the larger vision of SNU's goals of academic excellence; to ensure the development of architecture nationally and internationally. The Bachelor of Architecture Program encourages diversity by offering academic, creative and professional directions for architecture which serve the community, the nation and the world.

The Bachelor of Architecture Program seeks to integrate the liberal arts and engineering: encouraging intellectual investigation, aesthetic creativity and technical understanding. The faculty educates students and to become practicing professionals of outstanding quality who will contribute to the culture of contemporary architecture in Korea and abroad. The curriculum keeps a balance between intellectual, creative and technological disciplines.

Mission Statement for the Bachelor of Architecture Degree

Department of Architecture, Seoul National University

Our mission is based on the belief that architecture creates a sense of place where human beings live and experience their daily lives; a public expression which collectively composes the city. We educate architects to put an emphasis on these values and ideas; to realize common values with outstanding imagination and with creative inquiries into society, the city, design, structure, nature, tradition and technology.

Architecture defines ways of living for people to live with others. We teach students to study community values and to design buildings that are open to future potentials.

We educate students to view architecture within wider context: from the individual, to the city, to society. To that end, we put a priority on the relationship between city and nature, material and structure, the status quo and change, city and architecture, and we emphasize the concrete qualities of place (here) and present (now) as well as future potentials.

Architecture discovers possibilities from technology, is realized by technology and, beyond mere material means, determines new ways of thinking and perception. In this regard, we seek an architectural design language that can be applied to all facets of life utilizing both conventional and cutting-edge technologies.

Architecture is a cultural embodiment of and for society; it represents an expression of life. As such, an architect is a public intellectual who constructs space, place, and gives a framework to people's lives. We educate architects to become leaders who will participate in the global society.

The Course Program has the following four goals:

1. Interdisciplinary Education: humanistic values, intellectual communities, regional traditions, global future

The Bachelor of Architecture Program seeks to expand the student's knowledge base with an in depth liberal arts education which combines the liberal arts, the sciences and engineering through teaching and research. We encourage a student's understanding of social, cultural, aesthetic, environmental and technical issues related to architectural design. To this end, we balance required and elective courses for each year's curriculum. We encourage an interdisciplinary approach to course work. We also encourage students to have an in-depth understanding of regional building traditions in order to preserve and protect the environment.

(College of Engineering's Educational Goal 5: Global Leadership)

2. Architecture and Culture: thoughtful considerations on the built environment

We educate students on the culture of the built environment. Students are encouraged to understand diverse values and goals within society and to solve problems within the context of culture and environment. They are also encouraged to cultivate a public sensitivity regarding architectural, urban and environmental problems and to develop an ability to analyze and create within various contexts: the city, the country, the landscape and the residence.

(College of Engineering's Educational Goal 2: Society, Community and the World).

3. Technology: technology based design practice

Architecture is a profession that actively embraces change and works to promote that change. Architects must have a full understanding of their role as a catalyst in society. Thus, students are taught to work creatively and to develop unique technological solutions to societal issues.

(Responding to College of Engineering's Educational Goal: Creative Technology)

4. Leadership and Society: architects as leaders of the society

We educate students to engage in public service through architecture. We put significant emphasis on the role of the architect in the community as well as in the world. Students are required to share regional, national and global values, concepts, and ideas through design explorations to increase the understanding of the role of the architect in a diversified global society. Students are also encouraged to participate in community service, have an interest in global trends regarding contemporary architecture, and to cultivate an ethical professional standard by recognizing and undertaking social responsibilities.

(This responds to College of Engineering's Educational Goal 3: Community Leadership)

A4-2 Methodology

The following four concepts are integrated into our teaching method. Specifically, we will put top priority on a creative, distinctive, intellectual and professional education.

Creative: an emphasis on creative approaches

Distinctive: an education that emphasizes process and original thinking

Intellectual: an in-depth knowledge-based education

Professional: dialogue that encourages professional cooperation

1. Creative/ creative approaches

Students are encouraged to analyze new situations with sensitivity to human and environmental needs and to create unique solutions in the built environment. Students are required to have a general understanding of the social networks and to discover creative solutions within that context.

2. Distinctive/ distinctive and unique solutions

Students are encouraged to discover unique solutions by through individual research and exploration. A process oriented approach is encouraged.

3. Intellectual/ research based education

Students are encouraged do in-depth research in order to discover solutions based on social, aesthetic and technological knowledge.

4. Professional/ dialogue that encourages professional cooperation

Students are encouraged to dialogue with other students and professionals to creatively solve problems.

A5 Program Development

The Department of Architecture submitted the ‘Development Plan for the Department of Architecture for 1999~2006 ’in January 1999 to the Dean of the College of Engineering. The Plan was created to discuss the adoption of an international certificate for architects and engineers and to introduce the idea of an educational accreditation system. The Plan addressed changes in the study of architecture and its new directions in media and application technology. Of note, when the Plan was submitted, the Department of Architecture had not yet divided its undergraduate program into the Bachelor of Architecture Program and the Bachelor of Science in Architectural Engineering Program.

The purpose of the Plan was to point out problems inherent in the then current architectural educational program, a program that did not distinguish an architecture degree from an architectural engineering degree under the Bachelor of Science Degree. The plan called for major changes which would allow the Department to develop into a world-class architecture program. The Plan also focused on academic research that would keep pace with the global community of the twenty first century.

2006 is the target year for the Plan; the Department of Architecture’s Bachelor of Architecture Program will undergo due diligence for the KAAB, and the Bachelor of Science in Architectural Engineering Program will obtain the ABEEK. The Department of Architecture is projecting positive results that will allow it to grow and change with the global community.

According to this Development Plan, the aims of the Department of Architecture are as follows:

**1. Creating international level professionals
(Re-structuring of the Undergraduate Program)**

- To be an internationally accredited program for the Bachelor of Architecture Degree
- To be an internationally accredited program for the Bachelor of Science in Architectural Engineering Degree

**2. To initiate world class R&D in architecture
(Re-structuring the Graduate Program)**

- Research-oriented graduate school courses
- Lead R&D, especially, in new fields (Focus on key research)
- Foundation of a comprehensive research center on architecture
- Establish a research hub for Asian Architecture

The following results have been accomplished:

**A5-1 Re-structuring the Undergraduate Program: the
Bachelor of Architecture Degree**

Since its establishment as the Department of Architectural Engineering in 1945, until 2002, the Department has offered a curriculum integrating architectural design and architectural engineering. As the demands of the profession changed, a more specialized educational framework for educating competent architects and

architectural engineers was instituted in 2002. Independent programs for Architectural Design and Architectural Engineering were thus envisioned. This re-structuring, a first among Korean universities, has created courses for a five year Bachelor of Architecture Degree and a four year Bachelor of Science in Architectural Engineering Degree. The department is seeking international accreditation for both programs.

Title of Degree	Description	Status in 2006
B.Arch.	5-year professional degree course in architectural design	Realized
M.Arch I	2-year research-centered Master's course	Postponed
M.Arch II	2- to 3.5-year Master's course in B.Arch. Program for those without B.Arch. degree	Withdrawn
MUD	Professional degree course in urban design; expansion of Interdisciplinary Program in Urban Design	Not yet Realized

Table 2 Degree System

1. Curriculum Re-Structuring

(1) The Bachelor of Architecture Degree

As a 5-year, first professional degree course, the goal of the Bachelor of Architecture Degree Program at SNU is to create professional, creative and outstanding architects. Implemented in 2002, the program expects its first graduates in February 2007. This Program is organized around a series of Design Studios – 5 credit hours designated to each semester (one studio) –along with studies in related fields including theory, technology, communication, and professional practice, as well as the University required liberal arts courses.

① Undergraduate Curriculum Before 2001

a. Undergraduate Courses in Department of Architecture

Code	Subject	Remarks
401.201*	Architectural Graphics 1	(1-2-0-4)
401.202*	Architectural Graphics 2	(1-2-0-4)
401.203*	Architectural Planning 1	(2-2-2-0)
401.204*	Architectural Planning 2	(2-2-2-0)
401.205*	Architectural Drawing 1	(2-3-0-6)
401.206*	Architectural Drawing 2	(2-3-0-6)
401.207	Form and Design	(2-2-1-2)
401.208	History of Western Architecture 1	(2-2-2-0)
401.209	History of Western Architecture 2	(2-2-2-0)
401.210*	Building Construction 1	(2-2-2-0)
401.211*	Engineering Mechanics for Architecture	(2-2-2-0)
401.213	Architectural Science 1	(3-2-2-0)
401.214	Architectural Science 2	(3-2-2-0)
401.301*	Architectural Design 1	(3-3-0-6)
401.302*	Architectural Design 2	(3-3-0-6)
401.303	Architectural Planning 3	(3-2-2-0)
401.304	Architectural Planning 4	(3-2-2-0)
401.305*	Theory of Structure in Architecture 1	(3-3-3-0)
401.306	Theory of Structure in Architecture 2	(3-3-3-0)
401.307	Building Construction 2	(3-2-2-0)
401.308	Building Materials	(3-3-3-0)
401.309	Modern Architecture	(3-3-3-0)
401.311*	Concrete Engineering 1	(3-3-3-0)
401.312	History of Korean Architecture	(3-3-3-0)
401.313	Visual Design	(3-3-3-0)
401.314	Building Code	(3-2-2-0)
401.317	Landscape and Environmental Design	(3-2-2-0)
401.318	Urban and Environmental Planning	(3-2-2-0)
401.401	Architectural Design 3	(4-3-0-6)
401.402	Architectural Design 4	(4-3-0-6)
401.403	Structural Design	(4-3-3-0)

401.404	Electrical Equipment for Building 1	(4-3-3-0)
401.405	Electrical Equipment for Building 2	(4-3-3-0)
401.406	Concrete Engineering 2	(4-3-3-0)
401.407	Building Construction and Estimation	(4-3-3-0)
401.408	Steel Structure	(4-3-3-0)
401.409	Interior Design	(4-3-2-2)
401.410	Architectural Material Laboratory	(4-2-1-2)

- Note 1. (0-0-0-0) : Academic Year - Credits - Lecture hours - Practice hours
 2. * : Major Compulsory Subject

b. Courses for Students in Other Departments

Code	Subject	Remarks
401.001	Theory of Housing	(3-3-0)
401.002	Theory of Architecture	(3-3-0)
401.004	Dwelling House Design	(3-1-4)
401.005	Architectural Graphics	(2-1-2)
401.006	Architectural Drawing	(3-1-4)

② Undergraduate Curriculum of 2006

Code	Subject	Remarks
4012.101*	Architectural Design Studio 1-1	(1-5-0-10)
4012.102*	Architectural Design Studio 1-2	(1-5-0-10)
4012.103*	Architectural Presentation Technique	(1-3-0-6)
4012.104*	Architectural Space and Form	(1-3-3-0)
4012.111*	Building Structure 1	(1-3-3-0)
4012.201*	Architectural Design Studio 2-1	(2-5-0-10)
4012.202*	Architectural Design Studio 2-2	(2-5-0-10)
4012.203*	Design Computing	(2-3-3-0)
4012.204*	History of Architecture 1	(2-3-3-0)
4012.211*	Building Structure 2	(2-3-3-0)
4012.212*	Statics	(2-3-3-0)
4012.301*	Architectural Design Studio 3-1	(3-5-0-10)
4012.302*	Architectural Design Studio 3-2	(3-5-0-10)
4012.303*	History of Architecture 2	(3-3-3-0)

4012.304*	Architecture and Society	(3-3-3-0)
4012.311	Building Structure Planning	(3-3-3-0)
4012.312*	Environmental Technology	(3-3-3-0)
4012.313*	Building Materials	(3-3-3-0)
4012.314*	Construction Technology	(3-3-3-0)
4012.521	Architecture and Technology	(3-3-3-0)
4012.526	Building Economics and Development	(3-3-3-0)
4012.528	Housing Studies	(3-3-3-0)
4012.531	Activity and Space	(3-3-3-0)
4012.401*	Architectural Design Studio 4-1	(4-5-0-10)
4012.402*	Architectural Design Studio 4-2	(4-5-0-10)
4012.403*	Korean Architecture	(4-3-3-0)
4012.404*	Sustainable Architecture	(4-3-3-0)
4012.405*	Building Codes and Regulations	(4-3-3-0)
4012.411*	Mechanical and Electrical Systems for Building	(4-3-3-0)
4012.421	The City Cultures and Urban Conservation	(4-3-3-0)
4012.422	Architecture and Urban Design	(4-3-3-0)
4012.423	Digital Design Research	(4-3-3-0)
4012.424	Architecture and Landscapes	(4-3-3-0)
4012.523	Architectural Works Studies	(4-3-3-0)
4012.524	Interior Design	(4-3-3-0)
4012.530	Asian Architecture and Urbanism	(4-3-3-0)
4012.501*	Architectural Design Studio 5-1	(5-5-0-10)
4012.502*	Architectural Design Studio 5-2	(5-5-0-10)
4012.503*	Theory of Architecture	(5-3-3-0)
4012.504*	Professional Practice	(5-3-3-0)
4012.511*	Building System 1	(5-3-3-0)
4012.512	Building System 2	(5-3-3-0)
4012.522	Digital Design Studio	(5-3-3-0)
4012.529A	Urbanism and Architecture	(5-3-3-0)
4012.532*	Urban Planning and Development	(5-3-3-0)

Note 1. (0-0-0-0) : Academic Year - Credits - Lecture hours - Practice hours

2. * : Major Compulsory Subject

b. B.Arch. Program Curricula Pattern in 2006

Semester Year	1	2
1	4012.101* Architectural Design Studio 1-1 4012.103* Architectural Presentation Technique	4012.102* Architectural Design Studio 1-2 4012.104* Architectural Space and Form 4012.111* Building Structure 1
2	4012.201* Architectural Design Studio 2-1 4012.203* Design Computing 4012.211* Building Structure 2	4012.202* Architectural Design Studio 2-2 4012.204* History of Architecture 1 4012.212* Statics
3	4012.301* Architectural Design Studio 3-1 4012.303* History of Architecture 2 4012.521 Architecture and Technology 4012.311 Building Structure Planning 4012.313* Building Materials 4012.528 Housing Studies	4012.302* Architectural Design Studio 3-2 4012.304* Architecture and Society 4012.312* Environmental Technology 4012.314* Construction Technology 4012.526 Building Economics and Development 4012.531 Activity and Space
4	4012.401* Architectural Design Studio 4-1 4012.403* Korean Architecture 4012.405* Codes and Regulations 4012.421 The City Cultures and Urban Conservation 4012.423 Digital Design Research 4012.523 Architectural Works Studies	4012.402* Architectural Design Studio 4-2 4012.404* Sustainable Architecture 4012.411* Mechanical and Electrical Systems for Building 4012.422 Architecture and Urban Design 4012.424 Architecture and Landscapes 4012.524 Interior Design 4012.530 Asian Architecture and Urbanism
5	4012.501* Architectural Design Studio 5-1 4012.503* Theory of Architecture 4012.511* Building System 1 4012.522 Digital Design Studio 4012.532*A Urban Planning and Development	4012.502* Architectural Design Studio 5-2 4012.504* Professional Practice 4012.512 Building System 2 4012.529A Urbanism and Architecture

Table 3 B.Arch. Program Curricula in 2006

(2) Evolution of the Curriculum: Restructuring the Curriculum for the Bachelor of Architecture Degree

① Design Studios

Design Studios now form the core of the 5-year Bachelor of Architecture Program. Before 2002, Design Studios were given 3 credits per semester and were elective courses starting in the third academic year of the program. The new Bachelor of Architecture Program expands the Design Studios to 10, 5-credit courses that add up to a total of 50 credits (a total of ten classes in 5 academic years).

The first and second year students take a series required Design Studios which form a core program for the first two years. The third and fourth year students take elective Design Studios in which they choose their tutors. This allows for more diversity in design and gives students the chance to tailor their studies to their individual abilities.

Classification	Before 2001	Since 2002	Note
Required Courses in Architecture	4 Courses 10 Credits	10 Courses 50 Credits	
Elective Courses in Architecture	4 Courses 12 Credits	-	
Total	8 Courses 22 Credits	10 Courses 50 Credits	

Table 4 Required Courses

② Lecture Courses

With the introduction of the 5-year program, there has been a major re-structuring of all of the courses within the Department. There is a new emphasis on architectural theory and history.

'Architectural Space and Form' (4012.104) is a first year course that is a general introduction to architectural history and theory. This course is followed in the

fifth year with ‘Theory of Architecture’ (4012. which concentrates on contemporary architectural discourse. ‘Architectural Works Studies’ (4012.523) encourages students to gain a comprehensive viewpoint on architecture through case studies, linking theory and with actual practice. Sociology/ humanity-related courses such as ‘Architecture and Society’ (4012.304) and ‘Architecture and Culture: The ‘City Cultures and Urban Conservation’(4012.421) offer an expanded understanding on architecture as a socio-cultural endeavor.

‘Korean Architecture’ (4012.403) and ‘Asian Architecture and Urbanism’(4012.530) have been created to teach the history of Korean Architecture and that of East Asia, respectively. Through these courses, students will come to comprehend not only their own architectural history but also that of Asia. ‘Western Architectural History’ and ‘Contemporary Architecture’ have been expanded as the ‘History of Architecture 1’ (4012.204) and the ‘History of Architecture 2’ (4012.303) to deliver a global understanding of architectural history.

Several new courses have been introduced on the topic of architecture and communication. ‘Architectural Presentation Techniques’(4012.103) in the freshman year deals with ways to express architectural ideas through drawing. Along with the first Design Studios, the course teaches basic architectural concepts and methods of expression. Three courses – ‘Design Computing’ (4012. 203), ‘Digital Design Research’ (4012.423), and ‘Digital Design Studio’ (4012.522) – have been created to teach digital media.

Courses supporting the Design Studios have been organized according to themes: ‘Architecture and Landscape’, (4012.424)’, ‘Interior Design’ (4012. 524), and ‘Architecture and Urban Design’ (4012.422). Through these courses, theory and design methods are introduced.

Courses related to actual practice have also been created, usually for more advanced students. To teach methodologies in project planning there are the following courses; ‘Building Economics and Development’ (4012.526), ‘Building Codes and Regulations’ (4012.405) deals with essential buildings codes directly related to practice; and ‘Professional Practice’(4012.504) which teaches the actual process of project execution in design firms. These courses help students to understand how actual projects are realized.

Courses in the Bachelor of Science in Architectural Engineering have also been re-structured to encourage a strong base in architectural technology. Courses in environmental architecture and building systems have been significantly reworked: ‘Mechanical and Electrical Systems for Building’, (4012.411), ‘Sustainable Architecture’, (4012.404), ‘Building System 1’ (4012.511), and ‘Building System 2’(4012. 512) provide organically linked lectures on environment, architectural design, and building systems. Structural engineering courses focus on conceptual comprehension and applications: concepts in structural engineering are presented in ‘Building Structure 1’ (4012.111), followed by ‘Building Structure 2’(4012.211). These courses deliver detailed lectures on structural systems. In the course ‘Building Structure Planning’ (4012.311) students practice creative applications of structural concepts. ‘Building Materials’, (4012.313), ‘Architecture and Technology’ (4012.521), and ‘Construction technology’ (4012.314) have been created to introduce students to construction management: case studies providing opportunities for students to understand the processes involved in construction management.

(3) Course Integration

The re-structured curriculum emphasizes the interconnections between courses. In each academic year, lead professors are appointed for each Design Studio to create the studio programs. Previously, full-time professors suggested the themes and courses of the studio projects which were then taught by the invited tutors. In the new curriculum, lead professors set up the educational principles for the particular academic year, recruit its appropriate tutors, and then decide on project themes through a discussion process. For Third and Fourth year studios, students are given the opportunity to take elective studios according to their interests. This process results in the integration of the overall program but allows for diversification among the many studios. Independence is encouraged in the choice of project themes. In each year there is series of supporting theory classes which integrate and support the themes of the studio.

The Final Year Thesis Studios (fifth year - classes 4012.501 & 4012.502) allow the student to choose their own design topic to be pursued over two semesters. Students are encouraged to pursue an idea in great depth and to express it in a unique design which encompasses the fields of architecture, urbanism, urban planning, and landscape, and the themes of urban context, preservation, and sustainability.

Internship programs in architectural design firms are required in preparation for the requisite training course for the architect's licensing exam. On-site Construction Courses are offered in the new program, to emphasize the technical and practical aspects of architecture.

(4) Leadership Education

The Department's primary aim is to create leaders in the field of architecture. To that end, the Department has introduced a system of individual student-assessment. Careful observation is paid to the aptitude and interests of the students. Through a constant dialogue with the faculty, students learn the values of mutual respect and cooperation with colleagues. Communication abilities are also developed in an effort for students to effectively communicate their original designs.

Plans to establish an M.Arch I course have been postponed by the Department. SNU's 2006 plan to reduce the graduate student entering class will reduce the number of the Department's graduate students from 60 to 51. This drop in enrollment undermines the potential to create a new graduate degree course. After reviewing the history of the Graduate Program, it was decided that the existing emphasis on the academic discipline of architecture should be maintained. The Master of Urban Design Program also has not been established yet in the Department of Architecture. Plans for a Master of Architecture Program and a Master of Urban Design Program will be thoroughly examined at a later date when the Department is re-organized as the School or College of Architecture.

The Graduate Program now provides a series of integrated courses in Architecture and Engineering within a single curricular frame. Starting in 2007, the program will separate the two disciplines and follow the pattern of the undergraduate major. The Graduate Program will then emphasize theory and history and the resulting discourse.

2. A School of Architecture

The long term aim of the re-structuring of the Department is to form a School of Architecture within which series of degree programs for undergraduate and graduate students would be offered.

School of Architecture	
Department of Architecture	Department of Architectural Engineering

Table 5 Organization of the School of Architecture

This plan has not been instituted due to an insufficient number of students. Student enrollment is capped by the University at large; the Department does not have jurisdiction over the enrollment numbers. Furthermore, the 2005 SNU policy to reduce undergraduate student enrollment further diminished the number of undergraduate students in architecture from 65 students in 1999 to 51 students in 2005. The School of Architecture was not realized. However, the five year professional Bachelor in Architecture Program was established and a new curriculum formed. Since 2002, the Department has run an independent freshman-recruiting program.

3. Student Enrollment

With the broad aim of improving the quality of education within SNU and of establishing a more R&D-oriented Graduate School, the enrollment of undergraduate students has been reduced while that of graduate school students has been increased. Presently the reduction of undergraduate student enrollment has exceeded the target figure.

The previous undergraduate student enrollment in 2002 of 57 students for the Department of Architecture was divided into 32 students for the Bachelor of Architecture Program and 25 students for the Bachelor of Science in Architectural Engineering Program. Following SNU's student enrollment reduction policy of 2004, the Bachelor of Architecture Program now admits 26 students per year. However, with the addition of 3 students from a special recruitment program (for students of agricultural, etc), of 2 students from an undergraduate transfer program, and several others from the foreign student admission program, some 30 students in total are presently enrolled in the Bachelor of Architecture Program.

Course	1999	2001	Target figure for 2006	Actual figure for 2006
Bachelor's course	65	60	60	51 (B.Arch. Program 26 B.S. in Architectural Engineering 25)
Master's course	29	40	60	33
Ph.D course	11	20	30	15

Table 6 Student Enrollment

4. Expansion of the Faculty

The Department has a plan for creating additional faculty positions to improve the quality and breadth of the program. The target figure for 2006 is a faculty / student ratio of 1:21, but due to SNU's position as a national university this aim was not met. (For faculty supplements, national universities need the approval of the Ministry of Education & Human Resources Development, a government agency.)

In 1999 there were a total of 11 faculty members; six professors were newly recruited while one professor (Prof. Sung Mok Hong, Architectural Structures) retired.

Bachelor of Architecture- Prof. Dunam Choi (2002), Prof. Seunghoy Kim (2003)

Urban Planning and Preservation - Prof. So Hyun Park (2004)

Architectural Structure - Prof. Cheol Ho Lee (2003)

Construction Management - Prof. Moon Seo Park (2005)

Environmental Studies - Prof. Myoung Suk Yeo (2003)

Presently there are 16 full-time professors and about 20 lecturers in the Department of Architecture. Of the 16 professors, 9 concentrate on Bachelor of Architecture Program while 7 concentrate on the Bachelor of Science in Architectural Engineering Program. Although they are separate degree programs, professors teach in both programs, enabling students to have broader choice in their selection of classes.

The previous Student to Faculty ration was 31:1. Now, the number has been improved to 20:1. Furthermore, 3 assistant instructors, with the addition of graduate student instructors (one allotted to each professor), facilitate the management of the overall program.

Classification	1999	2001	Target figure for 2006	Current figure for 2006
Full-time faculty	11	16	21	16 (B.Arch.Program 9)
Student to Faculty ratio (Including B.S. in Architecture Program Students)	31:1	23:1	20:1	20:1 (186 / 9)

Table 7 Faculty Enrollment Information

5. Academic Regulations

Department regulations require undergraduate students pursuing a Bachelor of Architecture Degree to obtain 160 academic credits for graduation (36 credits or more from liberal art classes and 110 credits or more from major courses). In comparison with other undergraduate majors at SNU, which require a total of 130 credits (36 or more from liberal arts and 39 or more from major classes), the Department demands a higher standard. (This also applies to undergraduate students of other majors who take classes in the department or pursue a Bachelor of Architecture Degree as a secondary major.) Design Studios, of which there are 10, must be completed in numerical order, and multiple studios cannot be taken in a single semester.

6. Graduate and Undergraduate Recruitment: Students from Other Universities

The Department of Architecture admits graduate students from many different universities to ensure the creative exchange of ideas and viewpoints. The admittance ratio of the total graduate student population is not fixed but is steadily rising.

The Department of Architecture aims to diversify the character of its undergraduate students through various recruitment methods, including regular recruitment, recruitment based on a regional quota, and special recruitment programs for students with distinctive skills, with agricultural and fishing backgrounds, and foreign students.

Year	Entrance semester	Course	SNU graduate	Ratio(%)	Graduate of other universities	Ratio(%)	Total
1999	Regular semester	Master	30	88.2	4	11.8	34
		Ph.D	13	100.0	0	0.0	13
2000	Regular semester	Master	29	80.6	7	19.4	36
		Ph.D	13	81.3	3	18.8	16
2001	First semester	Master	22	53.7	19	46.3	41
		Ph.D	13	86.7	2	13.3	15
	Second semester	Master	0	0.0	5	100.0	5
		Ph.D	1	100.0	0	0.0	1
2002	First semester	Master	18	50.0	18	50.0	36
		Ph.D	7	58.3	5	41.7	12
	Second semester	Master	2	40.0	3	60.0	5
		Ph.D	1	20.0	4	80.0	5
2003	First semester	Master	21	56.8	16	43.2	37
		Ph.D	5	62.5	3	37.5	8
	Second semester	Master	3	37.5	5	62.5	8
		Ph.D	4	66.7	2	33.3	6
2004	First semester	Master	18	46.2	21	53.8	39
		Ph.D	7	70.0	3	30.0	10
	Second semester	Master	1	14.3	6	85.7	7
		Ph.D	0	0.0	2	100.0	2
2005	First semester	Master	18	46.2	21	53.8	39
		Ph.D	12	75.0	4	25.0	16
	Second semester	Master	3	60.0	2	40.0	5
		Ph.D	2	40.0	3	60.0	5
2006	First semester	Master	22	68.8	10	31.3	32
		Ph.D	8	80.0	2	20.0	10

Table 8 Graduate Students from SNU and Other Universities, 1999-2006

7. Expansion of the Facilities

The Department's plans for expanding its facilities includes the construction of an Architectural Research Center, the renovation of an area for digital design and more laboratory space. There is IRICEE now awaiting construction. Previous facility expansion plans have been implemented as follows:

As of February 2006, The Department of Architecture is located in a new building (#39). Previously, the Department was located within buildings #35, #34 and #36. The new building, the Graduate Research Center, was completed in late 2005. This new building houses all of the required spaces for the Department, including Design Studios, faculty offices and laboratories, the Department library, and a large auditorium for an audience of 200. The fifth floor houses the Department of Architecture and the studios for the Bachelor of Architecture Program and the fourth floor is for the Bachelor of Science in Architectural Engineering .

The space used exclusively by the Department amounts to a total of 2,363.84m² (5.58 m² per student), which more than meets the international standard. There is an increase of 52.6% from the previous space the department occupied. When the additional facilities for Department's non-exclusive use are added, such as the large auditorium, the regular lecture halls, and the open public areas and outdoor spaces, the size and quality of the Department's space has been greatly improved.

All the facilities within the building are equipped with broadband and wireless LAN for easy internet access. For students without personal computers, there are public areas on the fourth and fifth floors, as well as in the adjacent Shinyang Research Information Center, which provide computer stations for individual use.

Spacious hallways and public areas can and are used for exhibitions and as presentation spaces. Atriums, roof gardens and other outdoor spaces are open for student and faculty activities. The large auditorium, with the capacity to hold all of the students of the Department, is equipped with state-of-the-art audio and video systems.

A5-2 Key Research Projects

In order to establish itself as a center for architectural studies, the Department has set the following goals:

1 Inviting Practicing Architects as Faculty

Practicing architects are now an important part of the Department. Invited lecturers reduce the teaching hours of full-time faculty members and allow for a diversity of viewpoints, particularly in the Design Studios. Part-time lecturers are also invited to support research activities. Due to a limited faculty quota, the introduction of practicing architects as full time faculty members has only been partially realized in the Department. However, the traditional requirement of a Ph.D. degree for a full time professorship position has been redefined to include the career record of practicing architects. The appointment of two full-time faculty members, Professors Dunam Choi and Seunghoy Kim, has been based on these criteria. These two professors are presently taking charge of the Department's design education, while maintaining active practices through their design firms.

2 Establishment of Architectural Research Center

The Department of Architecture, together with the Department of Civil, Urban & Geo-System Engineering, established the research center IRICEE (Integrated Research Institute for Construction and Environmental Engineering) in 2005.

The center was founded through the support and funding of alumni from the two Departments. The research center's aim is to integrate the academic and technical fields of design and construction. The center's mandate is to respond to the demands of the expanding global demands of the Pacific Rim: to encourage the development of new techniques and approaches in the construction industry.

New construction technology is developed by integrating basic and state-of-the-art technologies in architecture, civil engineering, urban engineering, environment engineering, and disaster prevention. As an international R&D-based institution, the research center provides an ideal environment for technology research. It focuses on the development of cutting-edge technologies which can be applied globally. In addition, IRICEE aims to become a core center for studies on Northeast Asian construction technology. The plans for an independent IRICEE building have been green-lighted by SNU.

3 Key Research Projects

Currently, the Department of Architecture is developing the following key research projects:

- Architectural Digital Media (Implementation of research on architectural media, based on the model of MIT's Media Lab)

- The Architectural Culture of East Asia (Establishment of information hub on East Asian Architecture)
- New Architectural Technology (interdisciplinary research, utilizing the diverse research resources of SNU)
- Development of housing for the 21st century (development of new dwelling concepts and housing models for the 21st century)
- Development of state-of-the-art environmental technologies (intelligent buildings, solar-energy, building facility management, environment-friendly architecture)
- Development of construction management strategies (development of integrated management systems in construction, analysis models for decision-making and risk management, architectural technology information systems, automation and robotics in construction, analysis models for contracts and claims, construction technology for tall buildings)
- Development of internationally competitive strategies in structural technology (earthquake-proof design, maintenance and reinforcements, development and application of new materials, etc.)

Key research projects directly related to the Bachelor of Architecture Program (rather than Bachelor of Science in Architectural Engineering) are demonstrated by the following projects:

‘**Brain Korea 21,**’ is an initiative by the Ministry of Education & Human Resources Development, which aims to have research-based universities create internationally competitive programs. The Department has formed an independent ‘Housing Research and Development Team’ to undertake research projects on housing. This project started in Sep. 1999 and was completed in Aug. 2002. The resulting papers are as follows: participating faculty members have published 19

papers in SCI-level journals; graduate student participants have published 6 papers in SCI-level journals. The project supported a new generation of researchers, and created positions for of 1 contract professor and 2 post-doctorial researchers who produced 2 papers in SCI-level journals.

In the realm of academic-industrial cooperation, 2 research projects were implemented with Daewoo Engineering & Construction Co., Ltd. on the theme of ‘**Housing for the Next Generation**’. A relationship between CAEC and the Department’s own CRIC (Construction Research Information Center) was formed. The management of the Department’s website, the operation of information-access facilities from the Department, as well as short-term international training programs for graduate students, have resulted from this academic-industrial collaboration.

The establishment of a ‘**Center for East Asian Architecture**’ will create an information and technology network pertaining to East Asian cities, architecture, and culture. The recent popularity of Korean culture across East Asia, as well as in the West, has encouraged an international interest in Korean culture and technology. There are far reaching global implications to this research as well as domestic applications for it. The ultimate aim of the research on East Asian Architecture is to create individualized models of urban and architectural culture and to establish corresponding application strategies. The research aims are as follows:

- Analysis of the spatial structure of East Asian cities
- Sustainability and restoration of urban spaces in East Asian cities
- Building a comprehensive database on East Asian cities and architecture
- Educating experts on East Asian cities and architecture
- Creating international exchange programs

A series of '**Special Lectures**' are held annually to introduce young architects to internationally recognized architects; architects such as Rem Koolhaas, Florian Beigel, Kishi Waro, and Naito Hiroshi have lectured at SNU. Recently Peter Eisenman (September 21), Xing Tonghe (October 6), and Kuma Kengo (November 12) in 2004, Kyu Sung Woo (March 8), Wolf D. Prix of Coop Himmelblau (October 7), Tae Soo Kim (October 13), and Mario Botta (November 8) in 2005 were invited for these special lectures.

Beginning in 2006, the Department of Architecture, in association with several large Korean Architecture firms such as Samoo, will also hold Special Lectures which will be open to all students and practitioners in Korea. Architects such as Rem Koolhaas (in Sep.), Toyo Ito (in Dec.), Kenneth Frampton (in Apr. next year) and Steven Holl (in Sep. next year) will be speaking.

In the summer of 2006, the Department of Architecture sponsored an regular '**International Summer Workshop**' which was led by Roger Riewe, a professor from the University of Graz, Austria. Related programs was held during the workshop.

'**Academic Exchange**' is an important part of the international outlook of the Department. There has been a steady exchange of scholars from China, Japan, and Vietnam with SNU professors. The Asian Architecture Symposium held in 2003 and the Symposium on Vietnamese Architecture held in 2005 are but two examples of this type of exchange. Both were held at SNU and reflect an increasing interest and understanding of Asian architecture. The Department's plan to establish a research hub on East Asian architecture has not yet been fully realized, but the founding of IRICEE marks an important starting point.

SNU runs various ‘**Student Exchange Programs**’ with other universities in Korea as well as abroad. Undergraduate students, starting in their third year, may attend classes in universities which have formal exchange programs with SNU. Many undergraduates and graduate students have studied abroad in foreign universities. Recently, a third year student from the 5 year curriculum attended Auckland University in New Zealand for one year. International exchange programs for students are expected to become more popular in the future, Student exchange programs are also arranged with other domestic universities, from which 2-3 students attend SNU classes each year.

4 Assessment System on Research Achievements

The Department of Architecture, rather than establishing an individual system of its own, utilizes the College of Engineering’s Achievement Assessment System, which, since 2005, classifies each faculty’s achievements into three grades according to the Department-founded criteria Grade A: (Number of current faculty) ×(top 10%), Grade B: (Number of current faculty) × (top 11~20%), and Grade C: the rest.

The result of this assessment is reflected on the remuneration of research funds. The assessment is categorized in three activities: education, research and service.

Grade	Professor	Associate Professor	Assistant Professor	Comparison
A	3,606,000 Won	3,460,000 Won	3,353,000 Won	
B	2,506,000 Won	2,360,000 Won	2,253,000 Won	Difference between A-B: 1,100,000 Won
C	2,406,000 Won	2,260,000 Won	2,153,000 Won	Difference between B-C: 100,000 Won

Table 9 Faculty Research Funds

A5-3 Social Service

1 Social Service of Full-time Faculty Members

Social service activity plans of full-time professors include:

- Operation of post-professional studios for continuing education
- Establishment of continuing education courses for CEOs in the architectural industry
- The operation of CRIC

The Architectural Registration System has not yet been legally implemented in Korea hence the continuing education program to support it has yet to be created. However, the creation of continuing education courses for CEO's was established in the Advanced Construction Project Management Program (ACPMP) in 2005. This program answers the needs of the construction industry to meet top global standards. It also opens a field of discussion and research between CEOs in architectural design, construction and industry, and government leaders. The Construction Research Information Center (CRIC) gathers specialized information, systems, and databases required in the construction process, and disseminates them through various channels.

The ultimate goal of CRIC is to support international competitiveness for the Korean construction industry. The Center is currently engaged in numerous activities including the integrated management of research, education, and industry information, the exchange of research information across national boundaries, the distribution of higher value-added information from abroad, the practical use of research, the dissemination of knowledge for a paradigm shift in the construction industry, and the support for the development of R&D and education programs. Major projects of CRIC include the operation of AURIC (Architecture and Urban Research Information Center), the establishment of the East Asian architectural network, and the development of digital/information technologies.

2. Social Service of Faculty and Students

Beginning in 2003, a summer architecture school for high school students was created as part of the Department's voluntary service plan for initiating the improvement of rural and urban environments. This summer school provides an introduction to various fields of architecture, as well as liberal arts lectures and model workshop programs. Approximately 60 high school students participate each year. The summer school program is officially recognized by high schools as a 'special activities,' in which students are required to obtain academic credits.

In 2005, Professor Kwanghyun Kim oversaw a full-year program for SNU Museum's Wednesday Lecture series. He and five other full-time faculty members delivered a series of public lectures. By teaching the Department's 'Architecture and Culture' course side-by-side with the lectures, a synergistic communication between students and the public was encouraged. This was a very successful

experiment in integrating a student class with a public lecture series to promote architectural culture.

In 2006, the content of the Department of Architecture's web site was expanded to contain information about architecture for the general public as well as for the special student user. This approach reflects the Department's constant efforts to build a culture of architecture within the country.

A6 Self-Assessment of the Program

A6-1 Administrative Assessment

The Department of Architecture, the College of Engineering, and Seoul National University at large, maintain multiple levels of self-assessment methods on the Bachelor of Architecture curriculum. The assessment involves administrative organizations, faculty, students, and alumni. A Department Faculty Committee (consisting of professors from both the Bachelor of Architecture and the Bachelor of Science in Architectural Engineering Programs), Sub-committees for the Programs, and committees that deal with specific issues (Personnel Committee, Academic Affairs Committee, Curriculum Committee, and Planning Committee) constitute the committees of the Department.

- Department Faculty Committee (the entire faculty): Retains deliberation and voting rights on overall Departmental affairs. The Department Faculty Committee is comprised of faculty members from both the Bachelor of Architecture and the Bachelor of Science in Architectural Engineering Programs. The Committee meets twice a month to vote on issues reviewed by the Curriculum Committees of both programs, and on the academic affairs of the Department in general. The Department's Chair acts as the Head of the Committee. Sub-committees of both Programs are also held twice a month, alternating with the Department Faculty Committee.

-Personnel Committee: the Personnel Committee of the Department is responsible for preparing and reviewing dossiers for the appointment, retention, promotion, and tenure of full-time faculty members, part-time lecturers, and assistants. The committee is also responsible for the assessment of faculty

achievements, and for the selection of the Kim Tai Soo Fellowship recipient. The Committee consists of full-time faculty members and the Department Chair acts as the Committee Head. The Committee holds regular meetings each semester, and extra meetings are called by the Committee Head when necessary.

- Academic Affairs Committee: The Committee retains deliberation and voting rights in student educational affairs, including: admission, undergraduate transfer and departmental transfer, double major situations for undergraduate and graduate students, recommendations and the selection of scholarship students, selection of assistants, allotment of student prizes and penalties, recommendation and approval of domestic and international student exchanges, and the arrangement of internships. All faculty members are Committee members, with the Department Chair acting as Head. If deemed necessary, certain issues can be delegated to the Sub-committee of the Bachelor of Architecture and The Bachelor of Science in Architectural Engineering Programs.

-Curriculum Committee: The Curriculum Committee reviews the classes in each curriculum; recommends part-time lecturers; coordinates the curriculum syllabus; organizes the dissertation advisory committee and judging committee; and implements the special lecture programs. The Committee is divided into three sub-committees: one for the Bachelor of Architecture, a second for the Bachelor of Science in Architectural Engineering and a third for the Graduate Program. Full-time professors in each division constitute the Committee: senior Professors of each Program act as head of the former sub-committees, while the Department Chair is the head of the Graduate Course sub-committee.

-Planning Committee: The Planning Committee proposes mid- and long-term development plans for the Department, and handles the correspondence with

external bodies such as the University office, industry enterprises, and alumni associations. Members are selected from the full-time faculty members and external personnel upon the Department Chair's recommendation. The Committee Head is chosen from within this group. The Committee may operate a sub-team in certain cases.

Self-assessment is exercised through communication with the Chair, the Directors, and the senior Professors of both the Bachelor of Architecture and the Bachelor of Science in Architectural Engineering Program, as well as through a dialogue with professors, students, alumni, and professional organizations. The Department has curriculum links with the College of Engineering, the Department of Civil, Urban & Geo System Engineering, the Department of Landscape Architecture and Rural System Engineering at the College of Agriculture & Life Sciences, the Graduate School of Environmental Studies, the Department of Landscape Planning, and the Department of Landscape Design. There is a comprehensive feedback system between all of these Departments, committees and individuals as mentioned above.

A6-2 Faculty Assessment

The Department Faculty Committee and other supporting committees, provide assessment and feedback on academic affairs and on the curriculum.

-Bachelor of Architecture Program Faculty Committee: Consists of faculty members overseeing the Bachelor of Architecture Program. This Committee meets bi-weekly to review and suggest plans for curriculum and academic affairs for the Program.

-Studio Steering Committee: Consists of the head professor of each Design Studio and the tutors for each studio. The Committee discusses the operation of the studio program (the largest program in the undergraduate course), its facilities and development, and the hosting of open review session of the students' work.

-Curriculum Sub-committee for Architectural Design: Faculty members of the Bachelor of Architecture Program constitute the Curriculum Sub-committee. They discuss all curriculum issues related to the program as well as curriculum management. The sub-committee addresses the architectural issues of cultural context, theory, design and communication, planning, practice and technology.

-Curriculum Sub-committees for Academic Year Divisions: This sub-committee develops the courses for each academic year within the Program framework and seeks ways of efficiently implementing the Program.

-Graduate School Committee: Headed by the Director of the Graduate School, the Committee is comprised of all faculty members with Graduate School research laboratories. The committee discusses the overall curriculum of the Graduate School and its decision-making process, and arranges inter-laboratory projects and research presentations.

-Open Review Sessions: Design Studios hold open review sessions each semester. Professors from the Department as well as from other programs within the University, practicing architects, and other related individuals are invited to sit on the design juries of each studio review. Planned by the Studio Steering Committee, the reviews provide students with a wide range of external assessments, the result of which is released in the Publication Review.

-Town Meetings: A Public Hearing on the Establishment of the Accreditation System in Architectural Design Education: Under the joint auspices of FIKA (Federation of Institutes of Korea Architects) and the Committee for the KAAB, a Public Hearing was held on April 23, 2004 in the Conventional Center of the SNU Faculty House. Attending the meeting were people from architectural organizations, the faculty and officials from the Ministry of Construction & Transportation and the Ministry of Education & Human Resources Development. There was an open discussion and a Q&A session on the overall accreditation system in architecture.

A6-3 Program Assessment

Students provide direct feedback on the program to the faculty and to the University. They assist in faculty-run committees and participate in town meetings.

Program assessment to the faculty and to the University is delivered through several student bodies with representative members. The Student Committee for the undergraduate Bachelor in Architecture Program is run by the Department Division and Sub-Divisions on Architecture/ Engineering in Architecture, and is under the guidance of the Department Chair and the Directors of the two Programs. The Student Committee, as an independent constituent of the Department, actively cooperates with the Faculty Committee in academic, educational, and administrative issues. The Committee is also given the important role of collecting student's opinions on matters of education and campus life. The committee also plans and organizes student-run programs under the faculty's auspices.

Course Evaluation: Course evaluation works in two ways: the evaluation of individual students by the course's professor; and student's assessment of the course. The dual levels of the evaluation process are expected to secure an objective assessment of the course.

Course evaluation requirements for the Design Studios are broken down into six categories: drawings, models, reports, texts, images, and verbal expression. Course evaluations for lecture courses, also list six methods of review: Studio, lecture, workshop, individual research, group projects, and site survey, which require detailed descriptions. Through these evaluations, the courses can be assessed. Individual evaluations on each student are prepared by the professor and are delivered to the student at the end of each semester.

At the end of each semester, students submit assessments on lectures via the web. Faculty members review these assessments, and may choose additional means of assessment such as "exit" interviews and custom-made survey instruments to evaluate the curriculum's efficiency. The result of these comprehensive assessment programs forms the basis for the evaluation of faculty achievements, their corresponding wage structure, and the awards for outstanding faculty performance.

A6-4 Assessment and Feedback of Alumni

Alumni of the Department provide feedback on the program through official routes such as the Special Advisory Board, or indirectly through architecture-related meetings and the Alumni Association.

Special Advisory Board: Each semester, the Department's Development Committee holds regular meeting with the Department Faculty and with leading alumni members from various fields of architecture to discuss overall development issues for the Department. The Development Committee also discussing internship programs, alumni scholarship funding and donations to the Department.

A6-5 Assessment by the Korean Council for University Education

The Korean Council for University Education (KCUE), is part of an Academic Accreditation Program which reviews two to three academic fields each year. The Council (KCUE) implemented a nationwide accreditation review on Departments of Architecture in Korean universities in the academic year 1999/2000. From December 1999 to May 12, 2000, the Department undertook a self-evaluation in five sections: mission of education; educational programs; faculty; facilities; and educational achievements. After reviewing the Department's self-evaluation report and performing an on-site survey, KCUE released 1999's Academic Department Accreditation Result. Seoul National University's Department of Architecture was accredited and ranked as the nation's Best Department (August 24, 2000).

A6-6 Program Strengths and Future Directions

SNU is the nation's top-ranking institution of higher education and it has a proud history of academic and professional excellence. It offers an ideal intellectual, physical, and natural environment for teaching and research, and it possesses a

distinguished faculty, excellent students, extensive facilities, and dedicated alumni necessary for such excellence. The Department of Architecture is considered the nation's Best Architecture Department. For the last ten years, students of the College of Engineering with top grades from the university entrance examination have entered the Department of Architecture.

The creative achievements of the Department's faculty, students, and alumni are outstanding. Faculty members are renowned for their design work and publications in the fields of design, theory, history, and preservation. They also actively participate in research for the preservation of architecture and the city. Through these achievements, the Department maintains its top position among other national university Architectural Departments and it continues to win international recognition.

The Department offers a five-year undergraduate professional degree, the Bachelor of Architecture, a four year Bachelor of Science in Architectural Engineering and a graduate Master of Science in Architecture Engineering degree as well as a Ph.D in Architecture Engineering. These programs form the core of the department's strategic plan for the future.

1 Education and Curriculum

The undergraduate Bachelor of Architecture program provides students with a professional degree curriculum. This curriculum includes courses in design, theory, urban studies, culture and history.

① Design Studio: The core of the Program is the studio course. The Design Studio delivers a focused education on primary and fundamental aspects of architectural design in the first and second academic years; in the third and fourth academic years, it enables students to choose their own studios and explore various themes in architecture; in the fifth year (the graduate year), a full year thesis project is undertaken with a faculty member. This thesis studio promotes in-depth research on architectural and urban issues, the establishment of a theoretical base for the student, and ultimately the production of a comprehensive design solution that addresses the aesthetic and technical aspects of architecture. Through these three steps, students gradually become confident, responsible, and discerning architects.

② Theory and History: Theory and history have traditionally been the strength of the program. The history and theory of both Eastern and Western architecture are taught with an emphasis on critical thinking. By their final year, students have a comprehensive background in both.

③ Technology: The courses on technology have traditionally been part of the College of Engineering; the college provides in-depth course work on architectural structure, environmental studies, and construction technology. With abundant laboratory facilities and related research institutes, the College of Engineering effectively expands the reach of the Department of Architecture technologically.

④ Professional Training: Students graduate with a strong design background as well as with a firm grasp of the history and theory of architecture. This allows them to explore many aspects of the architectural profession when they graduate. The program seeks to create engaged professionals.

⑤ Independent Research: Independent study classes, under the guidance of professors and graduate students, should be developed, to encourage individual creative directions.

2. Enhancing Leadership Education

The number of students in each grade of the Bachelor of Architecture Program at SNU is 26 (30 including non-regular students). The number of students enrolled is significantly less than that of corresponding programs in other universities. The faculty to student ratio is excellent. This low student to professor ratio enables faculty members to have a direct understanding of each student: his/her individual talents and abilities. This is one of the Departments strengths.

The Department of Architecture at SNU has a proud tradition of leading the world of Korean architecture. The Department continues this tradition through its progressive educational policies; creating architects who will become leaders in Korea, Asia, and the world. It seeks to:

- Develop leadership programs in various fields of architecture
- Maintain and develop inter-university exchanges, nationally and internationally
- Enhance individual tutorials: to encourage the participation of students and faculty in the discussion of issues in order to diversify student research
- To educate students with exceptional communication skills (verbal visual and written)
- Develop new means of expression to communicate creative ideas, based on the principle that originality in work and media are intimately interrelated
- Increase the participation of students in domestic and international design competitions

- Operate studio projects in partnership with design firms, enabling students to gain experience in all aspects of practice

- Cooperation and mutual respect between faculty and students

Strategies are to:

- Establish an educational culture in which all aspects of theory and practice are open to discussion

- Encourage a working and learning environment that allows for a dynamic communication among faculty, administration, and students

- A job-placement system which offers a range of choices for the student based on detailed observations of his/her aptitude and field of interest

3 Development of an Integrated Education Program between Related Disciplines

The fifth year Design Studios (classes 4012.501 & 4012.502) and Building System 1 (class 4012.511) are representative of the new direction in the Bachelor of Architecture Program

- The full-year Design Studios, with individual faculty advisors, encourage intensive research in preparation for the final thesis design projects. This approach to design builds a comprehensive learning process for the student

- Strengthening the interrelationship between programs of architecture, urban design, and landscape

- Encouraging interdisciplinary programs (such as historic preservation)

- Creating interdisciplinary studios (such as an urban scenery Design Studio which would integrate architecture, urban design, civil engineering, and landscape architecture)

- Further emphasize sustainability in design programs, in accordance with the Department's aims to integrate architecture and technology
- Hold joint faculty meetings between the Departments of Architecture, Urban Planning, Landscape, and Civil Engineering at least twice a year, to provide an integrated educational curriculum

- A continued emphasis on computer technology: an organic integration between digital technology and design. Specific plans include:
 - Research on architectural media
 - Student's use of AURIC by actively linking it with lectures
 - To create cooperative networks for research and teaching with other programs of the College of Engineering and SNU, with domestic and international universities, and with professional organizations

4 Maintaining the Department's Long History of Excellence

- To further develop the professional degree program for national and international recognition
- To continue to develop the Department's long established educational aims and pedagogical focus of educating outstanding architects and academics who work creatively within the field
- The continuing development of flexible curricula to enable students to have broader choices within the program and to keep pace with international trends in the field
- To increase the enrollment and graduation ratio of students in the Program
- To encourage the acquisition the architect's license upon graduation
- To continue to expand the programs offered by the Department of Architecture

and to continue to attract outstanding students. The Bachelor of Architecture and Master of Science in Engineering Architecture Programs currently maintain high standards in the selection of their students

- To attract a diverse student body and to create a more internationally diverse and competitive program
- To develop scholarship funds for foreign students

An Emphasis on Public Values

- The Department's website and program newsletter will be expanded to create links with other Departments and universities, with the ultimate aim of encouraging a greater public interest in architecture.
- Projects during undergraduate and graduate school for students to gain experience in communicating and solving problems with regional governments and public institutions.
- Student and faculty participation in community service and cultural events.
- Special emphasis on public service in architectural education; community service activities and programs to cultivate social responsibility.
- Students are encouraged to understand the increasing role of the architect in today's multi-cultural and internationally based environment.

Global communication among alumni is actively encouraged.

- Alumni of SNU have made significant professional contributions to the domestic and international world of architecture. They have also contributed professionally and financially to the Department. An education advisory system

has been established between the Department, the alumni, and special professional groups to further encourage external financial contributions.

- Participation of faculty, student, and alumni members in national and international architectural institutions and programs.

- Exhibitions of alumni work (both large scale corporate projects and private works) in the Department exhibition halls to provide students with appropriate role models for career development.

5 Excellence in Teaching

① Faculty support to maintain the accredited program's mission for excellence in the fields of teaching, research, design, and service.

- The 'Distinguished Professor Award,' currently run by the College of Engineering, acknowledges faculty excellence

- The Faculty quota should be increased to support excellence in teaching, research and service activities.

- An improved faculty to student ratio is necessary: to reduce course loads for professors to pursue their individual research.

- Student Awards: a special traveling research grant will be awarded to the top thesis prize winner in the student's Annual Exhibition.

② To establish a hub for East Asian Architecture: the Department has initiated an active correspondence with architectural research programs in China, Japan, and other Asian countries.

- Academic exchange agreements with Asian universities are already established with the goal to create joint- Design Studios.

- Exchange of students among Asian universities.

B Program Response to the KAAB Perspectives

B1 Architectural Education and the University

The Department of Architecture, the first collegiate program of architecture in Korea, has a history of academic excellence. The new five year Course is but another step in the Department's commitment to excellence. SNU has been a supportive partner in the Department's structural change and has provided the College of Engineering and the Department of Architecture with a new building.

The Campus

SNU has a distinctive campus situated in the foothills of Kwanak Mountain. Students use the university environment to study architectural space, urban planning, and landscape, one of SNU's most distinctive features. The abundant green environment is due to a very special Korean mandate called "green belt land" which sets aside all mountains essentially as nature preserves. Buildings are not allowed to be constructed on this land hence there is a very special relationship with nature that the campus enjoys. In the 1st year of the program, students study the relationship between structure, landscape and the human body through their experience of the campus.

The campus also provides an outstanding series of buildings that have been designed by SNU alumni. The Seoul National University Art Museum, the Graduate Research Center 1 within which the Department of Architecture resides, the Graduate Research Center 2, Faculty Housing, the Lecture Building for Human Studies and Social Science, The Engineer's House, Center for Teaching & Learning. There is a also new contemporary art museum, MoA, designed by Rem Koolhaas of OMA.

Interdisciplinary Education

Seoul National University provides excellent educational diversity and quality on an international level. Just a few of its internationally known programs are as follows: The Department of Architecture, the Dept. of Civil, Urban and Geo-system Engineering, the Dept. of Landscape Architecture and Rural System Engineering, the Graduate School of Environmental Studies, the Dept. of Crafts and Design in College of Fine Arts, the College of Humanities, and the College of Social Sciences.

SNU, as well as the Department of Architecture, promote an interdisciplinary approach to education. Non-majors in architecture are able to take courses such as "Architectural Space and Form", the "History of Architecture", and "Korean Architecture". Majors are able to avail themselves of courses throughout the university.

This new emphasis on interdisciplinary studies is demonstrated in the Graduate Program in Architecture with a special program between the Department and the Urban Planning Department. In this program there are a total of seven professors with three coming from the Department of Architecture and four coming from the Urban Planning Department. The program was set up for graduate students in 1998, and is administered by the Department of Architecture. The program has now expanded and includes the Department of Civil, Urban and Geo-system Engineering, the Dept. of Landscape Architecture and the Graduate School of Environmental Studies. This program studies complex problems in the urban environment and aims to give students a solid foundation in the issues involved in architecture and the city.

Another notable interdisciplinary effort is between the Program of Architectural Engineering and the Program of Architecture. Both Programs are housed in the same building and share extensive courses. The shared courses between the programs are: Architectural Structure 1, Construction 1 and the Building Environment 1, Building Materials, History of Architecture 1.

There are a series of courses in Culture and Liberal Arts. In the Bachelor of Architecture Program, we require 28 credits Liberal Arts Courses and 9 credits in core culture courses (literature and art, art and philosophy, society and philosophy), for a total of 37 credits in the Liberal Arts.

		basic of learning	core culture				optional	total
			literature and art	art and philosophy	society and philosophy	understanding nature		
College of Engineering	1st year	30	-	-	-	-	-	30
	2nd year	6	3	3	-	-	-	12
	3rd year	3	-	-	3	-	-	6
	4th year	-	-	-	-	-	-	6
	total	39	3	3	3	-	6	54
B.Arch. Program in the Dept. of Architecture	1st year	28	-	-	-	-	-	28
	2nd year	-	3	3	-	-	-	3
	3rd year	-	-	-	3	-	-	3
	4th year	-	-	-	-	-	-	3
	5th year	-	-	-	-	-	-	-
	total	28	3	3	3	-	-	37

Table 10 Interdisciplinary Education

B2 Architectural Education and the Student

Student Body

The University holds pre-entrance exams to place freshman students in their respective levels in basic courses such as Math and English: all SNU students are quite highly accomplished as they have already passed through the very, very demanding University entrance exams. The Architecture students all have very high levels of Math ability which gives them a base for the architectural engineering courses that they will take in the program. In the Bachelor of Architecture there is a balance between in the distribution of the basic humanities courses, the engineering and technical courses, and the design courses.

Service

This semester SNU introduced the University-wide concept of "serving society" to expand the educational experience to include social awareness. This idea encourages students to become involved in community activities so that they may be the leaders of the next generation. It is a call to put social responsibility into practice.

The faculty in the Department of Architecture, through the Campus Committee, has been deeply involved in the Campus Master Plan as well as in the development of new buildings throughout the campus. As previously mentioned, many of the buildings on campus have been designed by architecture faculty members or alumni.

Architectural Education: Goals for Students

In the SNU Course, we encourage students to become leaders in their fields of expertise. In the 5th year of the program, students choose their thesis advisor with their professor's guidance and develop an individual thesis project which is pursued over their final two semesters. Although the program encourages individual development, a cooperative environment has been set up within the studio system. Since moving into new building in 2006 with its expanded and state of the art facilities, the Department has abolished the grade division in studio. Now students select peers, junior and seniors to work alongside. In this way, students benefit from both the individual focus in classes and the group working environment.

Professors in charge of a studio do not carry out their critiques in the studio. They use separate critic rooms so that the atmosphere in the group studios is not disturbed. Some design students become attached to "working rooms" off campus; they are a kind of design organization of their own. This is a tradition that has developed over the last ten years.

Annual Exhibition

The Annual Architectural Exhibition is a yearly event. The exhibition is a comprehensive survey of student's projects from the Bachelor of Architecture Program and the Bachelor of Science in Architectural Engineering, the final graduation projects of the fifth year students, as well as graduate student work.

There has been a long tradition of collaboration among all of the students in preparing for the Annual Exhibition. Through this collaboration, junior students

have opportunities to learn from their seniors, while the senior students have support from their juniors. This close tie between junior and senior students continues into their professional lives after the graduation.

Student Governance

Since 2002, when the five year Bachelor of Architecture Program started, the student government has become more active. There is elected student government body in each year. The student government acts as a communication channel between students and the faculty.

Each semester, there is a student-counseling week, in which every student is asked to have an individual conference with his or her advisor. Students have the same advisor for five years, so that continuity in the dialogue between the student and the professor can be maintained.

Twice a year there is a Festival Week scheduled into each semester, for sports competitions and field trips. Both undergraduate and graduate students are invited to participate.

Internships

Students are encouraged to do Professional Internships during summer and winter vacations. Prominent alumni in architectural design firms offer internship opportunities for students. Students are required to complete an internship prior to graduation.

Scholarships

There are 150 students enrolled in the new Department of Architecture 5-year Bachelor of Architecture curriculum, and 66 students enrolled in the old 4-year curriculum, making a total of 216 registered students.

Thirty-seven students received intramural scholarships for the fall semester of the 2005 school year and 31 students received them in 2006. Forty-two students received extramural scholarships for the fall semester of the 2005 school year, and 41 students received them in 2006. In total, 79 students in the fall semester received scholarships in 2005, and 72 students in 2006. About 47% of the students enrolled in the new professional program have received scholarships, and this percentage is up by 4.4% from the SNU average, which is 42.6%.

B3 Architectural Education and Registration

Registration for an architect in Korea requires the completion of a five year program in architecture followed by Internship Development Program before being able to sit for the registration exam. Once an architect is registered, the registration needs to be renewed on a constant basis. Therefore, universities need to provide Continuing Education Program.

Studies on design, history, theory and technology are all designed to enable students to be creative designers in the actual building process. Rather than preparing students for the registration test, the degree itself is proof that a student is prepared for registration. Architectural professionals are trained based on knowledge, analytical thinking and sensitivity to design and the environment

The course 'Professional Practice (4012.504)' is designed to be a transition from academia to practice. The course introduces the ideas and procedures the students will pursue as a practicing architect. Students may take this course in either the 4th or 5th year. An advisor is assigned to each student. Professor Kwanghyun Kim is in charge of the advisors regarding the new registration regulations.

To represent the new degree programs of architecture in Korean universities, KACSA (Korean Association of Collegiate Schools of Architecture) was established. The first nationwide conference to launch KACSA was held in the campus of Seoul National University on June 10th, 2006. Professor Kwang Hyun Kim of the Architecture Department in SNU plays a significant role in KACSA, who was elected as KACSA' first president.

B4 Architectural Education and the Profession

The main goal of the Course Program is to create responsible leaders in the field of architecture. The program aims to train students to have their own clear, responsible and moral views towards the built environment. An architect should have a comprehensive knowledge of architecture, with a balance between theory, design, technology and social needs. Courses such as 'Professional Practice (4012.504),' 'Building Codes and Regulations (4012.405),' 'Architecture and Technology (4012.521),' 'Architecture and Society (4012.304),' 'Urban Space Design (4012.422)' deal with the moral issues of architects as designers of the built environment. On the other hand, 'Building Economics and Development (4012.526)' discusses the many non-eco-friendly elements that arise during the process of Bachelor of Architecture and explores strategies to reduce them. The 'Theory of Architecture (4012.503)' provides a theoretical approach to understanding architecture.

The Design Studios support the overall educational goals stated above. In addition to design, technologies for innovative structures, energy conservation, and sustainability issues are all integrated into the Design Studios. Several Design Studios are taught with an 'associate architect'. In these studios, students work at the offices of the associate architects, as an introduction to architectural practice. While this is done mostly for studies on construction details, it also becomes a channel for the students to be exposed to actual practice.

The five year program also provides working experience through internships. These internships, which run for 1-2 months during summer or winter breaks, take place in either the 3rd or 4th year. Students have the opportunity to choose the firms that they would like work for.

The New Requirements of the Program

The Department instituted the new Five Year Professional program five years ago and will be graduating its first class in 2006. Many students are not aware of the significance of the new program. To introduce the new program and all of the changes within the Department, a series of lectures have been instituted to explain the new system to them.

To encourage professional responsibilities and possibilities, the Department has instituted a series of lectures by nationally and internationally known architects. Practicing architects are also invited regularly to attend design critic. Alumni are regularly invited back to the school for lectures, informal talks and juries. Recently, alumni from related architectural fields other than design have also been invited to lecture at the University.

Rather than having a fixed model for the architecture student, the Department is now introducing a variety of role models that students can learn from. The latest (2005) statistics are: out of 1,676 graduates, 464 are working for design firms, 412 are in the academic field, 637 are working for development companies and 44 are working for research institutes. In reality, 28% of the graduates from the program become architectural designers. The Department is addressing this reality.

There is a continuing debate between the academic staff, professional architects and administrators on the professionalism of architecture and how the program should be oriented towards it.

B5 Architectural Education and Society

The Bachelor of Architecture Program emphasizes that architectural education and practice are embedded into a social context. Therefore, the program is oriented to current cultural and social issues, particularly in the Design Studios. Architecture is never a pure art; it is a complex process of decision making that arises from the built environment.

In fact, the social and environmental context in architecture is one of the most emphasized themes in the program. Architects mediate social, aesthetic and environmental issues. 'Architecture and Society (4012.304)' introduces the complex decision making processes that architects encounter in the actual design world. The course gives students insight into the public characteristics of architectural design. Courses such as 'Activity and Space (4012.531)' and 'Professional Practice (4012.504)' provide an understanding of the building process; that architects, developers, institutions and administrators are all a part of the making of a building. The course also discusses the moral issues related to the process. Design issues for the physically challenged are dealt with in 'Bachelor of Architecture Studio 3-1, 3-2 (4012.301 & 4012.302)'. However, each and every Design Studio seeks design solutions for various user groups and universal access.

All the Design Studios carry out design projects based on site issues and contexts that are relevant to the current society. 'Bachelor of Architecture Studios 5-1, 5-2 (4012.501 & 4012.502)', the 5th and final year Design Studios explore the current issues in great depth. Critics for the final year design projects include people other

than designers such as architectural administrators, technical engineers and journalists, etc.

The Bachelor of Architecture Program encourages students to 'think inside the built environment'. This mandate is based on the fact that the built environment is created by not one, but many different people, with many different ideas and concerns. Each Design Studio encourages students to understand clients from the client's point of view, and to provide solutions to social conflicts. 'Bachelor of Architecture Studios 4-1, 4-2 (4012.401 & 4012.402)' puts a strong emphasis on reading the users' intentions to fulfill a sustainable environment. 'The City Culture and Conservation (4012.421)' and 'Housing Studies (4012.528)' present critical issues for discussion and design.

The Department is interested in expanding the reach of student design so that their work could contribute directly to the local community. Yale University has an example to be pursued: Yale University's Department has had a long tradition of having a Design Studio in their spring term in which the students design a residence for the housing corporation of New Haven. In the summer, the students actually construct their design.

The Bachelor of Architecture Degree Program in SNU acknowledges close relationships between architectural education and society, and aspects of broader social contexts are more to be supplemented to the curriculum. The Department of Architecture in SNU recognizes that it is necessary to teach Design Studios with practical issues in the local and regional contexts. For this, more interdisciplinary approaches to Design Studios are recommended, covering diverse and complex contents of architecture, landscapes, and urban planning.

C Curriculum

C1 Academic Program

C1-1 The Learning Process

The Department of Architecture of Seoul National University awards undergraduate and graduate degrees in a variety of programs. Since 2002, Seoul National University's Department of Architecture has offered two new undergraduate programs, the Bachelor of Architecture Degree Program and the Bachelor of Science in Architectural Engineering Degree Program to selected students. The Bachelor of Science in Architectural Engineering Program is a 4 year program. It specializes in architectural structure, building technology, environment, and building skills. The Bachelor of Architecture Program is a 5 year program that leads to a professional degree.

According to Seoul National University's administration office, the following degrees are conferred through the Department of Architecture:

Bachelor's degrees: Bachelor of Science in Architectural Engineering (4 year degree)

Bachelor of Architecture Degree (5 year degree)

Master's degrees: Master of Science in Architecture Engineering

Master of Engineering – Interdisciplinary Graduate Program of Urban Design

Doctorate degrees: Ph.D in Architecture Engineering

C1-2 Bachelor of Science in Architectural Engineering, 4 Year Program (old curricula outline)

Program requirements

-Students must complete 4 years of required coursework specified by the Department: this includes but is not limited to an internship at an approved institution, design work exhibition, and a final thesis.

-A minimum of 10 and a maximum of 16 semester courses are permitted

-Must accumulate a minimum of 130 credits offered by the Department. 110 credits should be earned in non-electives.

-Must accumulate a minimum of 37 credits (elective courses must be approved by the Department)

-Must maintain a minimum GPA of 2.0

C1-3 Bachelor of Architecture, 5 year Professional Program

Program Requirements

- Students must complete 5 years of required coursework.
- Design Studio (5 credits/semester, need 50 credits)
- Complete courses on construction theories, technologies, communications and applications of architecture.
- A minimum of 160 course credits, of which 110 credits must be earned from core courses.
- A minimum of 37 credits must be earned from electives
- First and second year students must take designated core courses while 3rd and 4th year students may begin taking electives. In the 5th year, students work on a final thesis project in which they apply the knowledge and skills they have accumulated throughout their course work, studio workshops, and work experiences.
- Must maintain a minimum GPA of 2.0

C1-4 Master's Program

The Department of Architecture at SNU offers a Master of Science in Architecture Engineering Degree. The Master of Science in Architecture Engineering requires a full 2 years of course work.

The following are the current decisions made by the Department on the issue of academic re-structuring:

-The Department is in the process of preparing the curriculum for Post-Professional Master of Architecture Degree Program.

-The Department will maintain its current academic and studio-oriented workshops and standards.

- The current Master of Science in Architecture Engineering Degree Students focuses on research and design history and theory.

Program Requirements:

-The Master of Science in Architecture Engineering Program is intended for students who have completed a Bachelor of Architecture or any other pre-professional architecture degree from an accredited institution.

-Within the first semester of the registration, students must produce a research plan, which needs to be submitted for the graduate committee's evaluation.

-Each student will be assigned to a supervisor.

-A minimum of 24 credits of course work must be taken: 2/3 of the credits should be earned from the courses offered by the Department.

-Students must be registered for a minimum of 3 academic terms.

-After completing 18 credits worth of course work, students may submit a thesis for an evaluation.

-After completing 18 credits worth of course work, students may take qualifying exams and additional mandatory language exams.

-To qualify as a candidate for a Master of Science in Architecture Engineering, students must publish a minimum of one article in a recognized academic journal during their course work.

C1-5 Ph.D in Architecture Engineering Program

Course requirements

- The Ph.D. requires the applicant to hold a masters degree in a related field and to have a 3 recommendation letters.
- Within the first semester of the program, students must produce a research plan, which is submitted for evaluation by the Graduate Committee.
- Each student will be assigned a faculty advisor.
- The Ph.D. requires a minimum of 60 credits of course work (including the credits earned from the masters program). The remainder of the credits can be earned from recommended courses from the faculty advisor.
- To be eligible for writing the mandatory language exam, students must have completed a minimum of 3 academic terms and have completed a total of 51 credits of course work.
- To be eligible for writing the qualifying exam, students must have completed a minimum of 60 credits of course work.
- Students must submit a dissertation proposal and have it evaluated by the graduation committee 6 months prior to their thesis defense.
- Students must publish their academic work in recognized academic journals.

C1-6 Masters of Engineering – Interdisciplinary Graduate Program of Urban Design

The Masters of Engineering – Interdisciplinary Graduate Program of Urban Design was first offered in 1998 in conjunction with the Department of Geosciences Engineering, the Department of Agricultural Sciences, and the

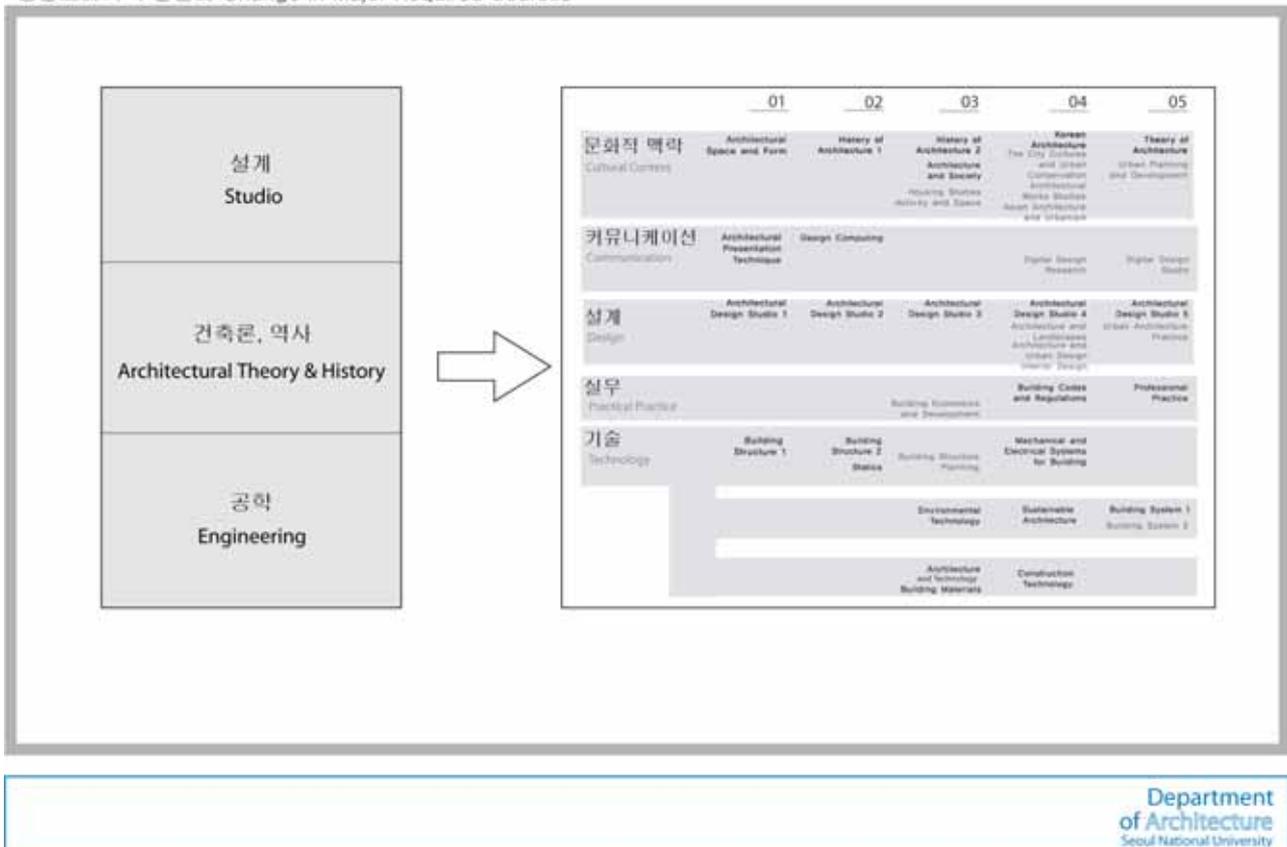
Department of Environmental Studies. With the cooperation of several academic disciplines, this program aims to educate students to perform a wide range of roles in government agencies, community organizations, consulting firms, and development corporations. The core courses include Design Studios and seminars. In these courses, students are trained to realize the close interaction between transportation planning, architecture, design, urban planning, economic development, community design and geographic studies. The focus of the program is on the fundamental activities and concerns of architectural design and planning. The program introduces analytical and interpretive views on human settlement from the perspectives of several disciplines. Understanding of the legal, political, and organizational context of planning ensures that students will be able to work effectively and creatively as professional architects.

This year (2006), Professor Seungbin Im is seated as the dean. Professors Jinbyoon Kim, Woogab Shim, and Sohyun Park of the Department of Architecture are the supervising professors for the Masters of Engineering –Interdisciplinary Graduate Program of Urban Design. while Professor Kiho Kim of the Graduate School of Environmental Studies and Professor Gunhyuck Ahn of the Department of Geosciences Engineering also supervise Masters and Ph.Ds students of this program.

C2 Curricula Pattern

C2-1 Bachelor of Architecture Degree – 5 Years

전공교과의 구성변화 Change in Major Required Courses



-The Dept of Architecture's Bachelor of Architecture Degree is a 5 year First Professional Degree Program.

C2-2 Category

Courses offered in the Department of Architecture divide into five categories:

- 1) Cultural Context
- 2) Communication
- 3) Design
- 4) Technology
- 5) Professional Practice

1. Cultural Context

This category includes theory and history. The emphasis is on building theories in the first year; students learn theories of spatial development and building concepts. The "Theory of Architecture" course investigates design theories in architecture while the "Architectural Works Studies" course relates the theories to practical applications. "Architecture and Society" and "Housing Studies" connect socio-anthropological and humanistic considerations to the design process. 'Korean Architecture' and 'Asian Architecture and Urbanism' offer a close look into Korean architectural history as well as that of Asia. The 'History of Architecture 1' and the 'History of Architecture 2' cover the history, culture and theory of world architecture.

In courses about the city and in landscape architecture courses, students learn an interdisciplinary approach to architecture. 'Urban Architecture and Culture', 'Architecture and Urban Planning', 'Architecture and Landscaping', 'Urban Space Design', and 'Urban Architecture Practice' focus on interdisciplinary projects and case-studies.

2. Communication

Introductory courses such as ‘Architectural Presentation Technique’ and ‘Design Computing’ fit into this category. Students learn to express and communicate ideas through design and visual media. Electives such as ‘Digital Design Research’ and the ‘Digital Design Studio’ introduce the field of digital media.

3. Design

Studio Design courses form the core of the Architecture Program. These Design Studios make up one third of the total course load. Studio courses are 5 credits each and students must take one studio every semester to complete the 50 credits required for graduation.

For the 1st and 2nd year students, the studio courses each semester are mandatory. The 3rd and 4th year students have elective studios. The 5th year students have a year long thesis studio.

Through Design Studios, students learn to produce creative solutions to given theoretical, conceptual, environmental and historical constraints.

4. Technology

Studies in Technology in the Department of Architecture are divided into 3 areas: structure, environment, and construction. 'Building System 1' and 'Building System 2' stresses the importance of the integration of technology / engineering and architecture.

"Building Structure 2" and "Statics" are new core courses that deal with the construction aspect of architecture. "Environment Technology" and "Mechanical and Electrical Systems for Building", and "Sustainable Architecture" are also new courses that aim to relate architecture to the environment. "Building Materials" studies the material properties and their details.

5. Professional Practice

"Project planning" and "Building Codes and Regulations" deal with the practical applications and field work of architects. Students are introduced to all aspects of professional practice.

C2-3 Pre-requisite Courses

-Fulfill University wide requirements in 3 categories: Korean Language, Foreign Languages, and Core Electives.

-A minimum score of 551 for TEP (Test of English Proficiency) and 523 TOEFL (Test for English as a Foreign Language)/ CBT (Computer Based Test) 193 is required to be eligible for the 100 Level English courses.

-"SNU-JNU English camp" participants are also eligible to take 100 level English courses

-For Advanced (honorary) English courses, a minimum mark of 751 for TEPS and 583 (CBT 237) for TOEFL is required.

- "University Korean" is the pre-requisite for "Writing in Humanities", "Writing in Social Sciences", and "Writing in Science & Technology".

- Students must take a minimum of 9 credits in 3 fields, but are not required to take 'Comprehension of Nature'.

- Engineering students may take these 9 credits in 3 fields which are 'Art and Culture', 'History and Philosophy', and 'Society and Ideology'

- Math 1,2 or Advanced Math 1,2 (prerequisite exams must be taken in order to register for these courses)

- The Department core courses should make up a total of 110 credits from the 30 courses offered.

C3 Course Overview

As a Professional Degree Program, Seoul National University considers it imperative for the 5 year Bachelor of Architecture Degree Program to have the highest academic standards. To this end, the Department has an intense academic as well as design focus and requires a much higher standard of achievement for its students than the acceptable University average.

During a minimum of 10 sequential academic terms, students are required to complete 160 credits worth of courses. Students are required to take 16 course credits per school term. First and second year students spend the first two years taking core courses. Pre-requisite courses make up a minimum of 37 credits. Elective courses are offered to 3rd, 4th and 5th year students. The Department also offers a variety of elective courses which covers a total of 48 credits.

C3-1 Communication

Courses in communications equip students with an ability to communicate design ideas. First year students take core courses in drawing and presentation techniques. Second year students take "Architecture and Computers", while fourth year students take "Digital Design Research." In the "Digital Studio" class, fifth year students master various communication methods through digital media.

4012.103 Architectural Presentation Technique (1-1 / 3-3-0, compulsory subject): understanding design through visual and intellectual investigation, and communicating the resulting ideas and concepts effectively in different media.

4012.203 Architecture and Computer (2-1 / 3-3-0, compulsory subject): understanding the principles and concepts of CAAD (Computer-Aided Architectural Design) and of digital media programs in architectural design (image processing, animation and web page design).

Evaluated on the basis of individual and group presentations.

4012.423 Digital Design Research (4-1 / 3-3-0, elective): understanding space with computer-simulated images and applying principles of form generation in digital design.

Final work is critiqued by coop coordinators and peers.

4012.522 Digital Design Studio(5-1 / 3-3-0, elective): applying computer technology to the architectural design process through experiments with digital media.

C3-2 Cultural Context

Courses in the cultural studies category divide into 3 fields: theory, history, and the city.

1. Theory: a total of 5 classes are offered (3 core, 2 electives)

Architecture theory classes provide an understanding on the fundamental theories and cultural concepts in the history of architecture. The courses aim to make clear connections between cultural, historical and social perspectives in the designing process.

4012.104 Architectural Space and Form (1-2 / 3-3-0, compulsory subject): presents the basic principles of architecture; architectural history, culture, material, structure and technology. The course explores the cultural impact of architecture in a contemporary context. 30 to 40 important buildings are studied in regard to architectural space, form, structure and technology. (Directed toward student performance criteria 2, 7, 8, 10)

4012.304 Architecture and Society (3-2 / 3-3-0, compulsory subject): recognizing the role of architecture in humanistic terms.

4012.503 Theory of Architecture (5-1 / 3-3-0, compulsory subject): an emphasis on an interdisciplinary approach to architectural theory. Ability in creative thinking and sharp analysis are of importance (directed toward student performance criteria 1, 2, 7, 8, 10)

4012.523 Architectural Works Studies (4-1 / 3-3-0, elective): understanding the processes and methods of form making through case studies of important buildings. (directed toward student performance criteria 7, 8).

4012.528 Housing Studies (3-1 / 3-3-0, elective): understanding group housing projects and other types of public housing through a variety of evaluation methods. Ability to assess and develop culture specific living spaces and structures. (directed toward student performance criteria 9, 10, 11, 12, 13)

4012.531 Activity and Space (3-2 / 3-3-0, elective): understanding the relationship between space, human psychology, scale, and movement. Ability to apply ideas and question their applicability in real life examples. (Directed toward student performance criteria 3, 10, 12, and 13)

2. History: a total of 4 classes are offered (3 core, 1 elective)

Architectural history classes examine the history and development of both ancient and modern architecture. Classes concentrate on different time periods in architectural history.

4012.204 History of Architecture 1 (2-2 / 3-3-0, compulsory subject): understanding the history and theory architecture and urban design from ancient times to the pre-modern era.

Ability to present and discuss documented case-studies.

Evaluated on discussion participation and exams (directed toward student performance criteria: 7, 8, and 10)

4012.303 History of Architecture 2 (3-1 / 3-3-0, compulsory subject): understanding theory and aesthetics from the perspective of philosophy, religion, politics and environment from the Renaissance and Baroque Eras to the Modern Era.

Ability for critical thinking and a global perspective on architecture.

Evaluated on class participation and exams. (Directed toward student performance criteria: 7,8, and 10)

4012.403 Korean Architecture (4-1 / 3-3-0, compulsory subject): understanding the history and culture of Korean architecture with an emphasis on the changes and development of its formal expression, building types, and construction technology.

Evaluated on two in-class projects and two exams. Class projects stress contemporary wooden Korean architecture and the contemporary Korean urban environment. (directed toward student performance criteria: 7,9, and 10)

4012.530 Asian Architecture and Urbanism (4-2 / 3-3-0, elective): understanding the history, theory and development of Architecture in East Asia, Southeast Asian and South Asia. Investigating the work and theories of selected Asian architects.

Ability to achieve a balanced perspective on global architecture

Evaluated on two exams and one report (Directed toward student performance criteria: 7, 8, 9, and 10)

3. Cities: a total of 5 classes are offered

Classes encourage the understanding and application of cultural, architectural and economic theories on urban planning.

4012.404 Sustainable Architecture (4-2 / 3-3-0, compulsory subject): understanding the principles of ecology and examining design strategies for a sustainable environment.

Evaluated on 3 case study reports and presentations: emphasis on visual and logical progression, creativity, and conciseness of the reports.

(Directed toward student performance criteria: 14, 17, 20, 28, 29, 30 and 34)

4012.421 The City Cultures and Urban Conservation (previously offered as ‘architecture and culture’) (4-1 / 3-3-0, elective): exploring architectural design themes in the context of culture, humanity, society and the arts.

Evaluated on 2 exams, Reports in English on reading materials, in-class discussion participations, and the final report. (Directed toward student performance criteria: 1, 2, 8, 9, 10, 13, and 14)

4012.422 Architecture and Urban Design (previously offered as urban space designing) (4-2 / 3-3-0, electives): investigating the space between buildings, such as plazas, roads, bridges, micro-topography, pedestrian movement, automobile traffic, and their impact on urban design.

Ability to understand politics, urban planning restrictions, and the evolution of structural impact on design.

Evaluated on 2 exams, English reports on reading materials, in-class discussion participations, and the final report. (Directed toward student performance criteria: 9, 14, 27, 35, and 41)

4012.424 Architecture and Landscapes (previously offered as ‘Landscape Design’) (4-2 / 3-3-0, elective): understanding fundamental theories of landscape architecture and examining the inter-relationship of landscape and architecture.

Ability to co-work, and to correlate environment, nature, urban spaces.

Evaluated on 3 case studies, presentations, and one final exam.

(Directed toward student performance criteria: 1, 4, 5, 14, 17, 28, and 35)

4012.532A Urban Planning and Development (previously offered as ‘Contemporary Theory of Architecture’) (5-1 / 3-3-0, compulsory subject): introduction to contemporary architecture and architects as well as architectural theories and criticism.

Evaluated on 2 exams and one final project.

(Directed toward student performance criteria: 2, 10 11 12 14 16 and 41)

4012.529A Urbanism and Architecture (5-2 / 3-3-0, elective): understanding all aspects of the building process through case studies. Invited professional architects and related professionals supervise the projects.

Ability to analyze diverse scale projects and function-specific structures.

Evaluated on 2 case study reports, proficient co-work abilities, in-class discussion participations, and the final report.

(directed toward student performance criteria: 1 10 11 and 12)

4012.525 ‘Urban Architecture and Conservation’ is no longer offered (4012.421 integrated with the course ‘Urban Culture and Conservation’)

C3-3 Design

Design Studios are divided into 3 levels. There are 4 introductory Design Studios in the first level. 4 advanced Design Studios in the second level and 2 final Thesis Design Studios in the third level.

1. 1st level (introductory) Design Studios: includes 1-1, 1-2, 2-1, 2-2 (studios taken within a period of 2 years.)

(1) Course objectives

- Comprehend and train drafting and technical drawing skills
- Design for target objects, which are a body, an individual, a primary society unit such as a family
 - Focus on private unit / single space before relating it to a larger and complex space
- Problem solving with natural and geographical conditions
- Problem solving with elementary engineering principles
- Learn relationship between design and art; express 3 D space in 1 D, and communicate in creative design methods

(2) Skills obtained

- To be able to creatively construct space that bases its design on subjects such as body, and text.
- To be able to represent architectural elements and the fundamentals of design while emphasizing place, event, context, and space.
- To be able to actualize architectural design concepts while seeking a balance between space and function, space and modeling, privacy and community.
- To be able to understand engineering, material properties and construction processes while keeping the balance between space and function, space and modeling, privacy and community.

4012.101 Architectural Design Studio1-1 (1-1 / 5-0-10, compulsory subject):

understanding the relationship between architecture and the environment.

Ability to present observations, and analysis with creative yet appropriate media.

4012.102 Architectural Design Studio1-2 (1-2 / 5-0-10, compulsory subject):

understanding the relationship between technology, architectural design, structure, material and space.

Ability to design a simple public structure like bridges and canopies.

4012.201 Architectural Design Studio2-1 (2-1 / 5-0-10, compulsory subject):

understanding the methodology for creating a sense of 'place' in architecture.

Ability to present analysis and expressions through persuasive presentations.

4012.202 Architectural Design Studio 2-2 (2-2 / 5-0-10, compulsory subject):

understanding space, the potential of tectonics, and material technology in architecture.

This studio is related to 'building materials' and 'structural engineering'.

Ability to design a structure that directly relates to the environment, contraction and expansion of space, and binding location.

2. 2nd level advanced studio: includes 3-1, 3-2, 4-1, 4-2 (within a period of 2 years.)

(1) Course objectives

- Acquisition of a technical skill set within a framework of innovative and creative design
- Design of larger scale buildings and complexes; multiplex buildings, public buildings, commercial buildings.
- Problem solving within a context of specific building types. (ie libraries, laboratories)
- Problem solving within a cultural, natural and geographical context
- Problem solving within a context of innovative structural design
- Development of a unique and creative approach in design

(2) Skills obtained

- To be able to design within a multiple scale framework while understanding typical space, repetitive space, and spatial connections.
- To be able to design for medium to large scale space for urban space modeling
- To be able to investigate the continuum of design in urban space and architecture.
- To be able to produce design that understands human interactions

4012.301 Architectural Design Studio3-1: understanding the process of design beginning with program analyses and progressing to contextual and cultural constraints. Ability to collect and analyze process case studies, information, restrictions, and environmental constraints. (directed toward student performance criteria 4, 5, 16, 19, 25, 26, and 30)

4012.302 Architectural Design Studio3-2 (3-2 / 5-0-10, compulsory subject): understanding space and spatial organization within a framework of human behavior. Ability to manipulate space conceptually and practically in the design of a building within an urban context. (Directed toward student performance criteria 4, 5, 16, 17, 20, and 26)

4012.401 Architectural Design Studio4-1 (4-1 / 5-0-10, compulsory subject): understanding the interconnections of design within the framework of community and environment; redefining the meaning of human assemblage and renewing the logic of context. Ability to study the physical and psychological conditions of urban space

4012.402 Architectural Design Studio4-2 (4-2 / 5-0-10, compulsory subject): understanding ecological (heat, air and light) and environmental issues associated with the design of buildings and landscape.

3. 3rd level Thesis Studio: includes 5 - 1, 5-2 (within a period of 2 years)

Students are required to complete the 3rd level Thesis Design Studios in their last year of registration (5th year). They are assigned an individual project with a faculty advisor. The thesis project is evaluated on design, presentation and communication

(1) Course objectives

- To select a concept and develop it into a final design project.
- Study and interpret culture, history, psychology, technology and society as a whole.
- Research and study examples and various case studies appropriate for the thesis concept
- Examine geographical and contextual connections.
- Apply innovative concepts in engineering, structure, technology to the design project.
- An emphasis on the cultural and aesthetics aspects of architecture.

(2) Skills obtained

- To complete the independent design project.
- To design a project through every stage.
- To understand the connections between the program, material, structure, space, building systems, landscape architecture, and the urban context ('Building system 1' and 'Building system 2').
- To complete the thesis.

4012.501 Architectural Design Studio5-1 (5-1 / 5-0-10, compulsory subject): the first semester of a two semester thesis studio. This studio deals with the planning and conceptual framework of the thesis project.

Ability to initiate and carry through a design process to completion.

Final project in this class is the thesis project

Evaluated individually by faculty advisor

4012.502 Architectural Design Studio5-2 (5-2 / 5-0-10, compulsory subject): the second semester of a two semester thesis studio. To carry through the conceptual framework established in the first half design theme and develop it into a complete design project.

Ability to initiate and carry through a design process to completion.

Final project in this class is the thesis project

Evaluated individually by faculty advisor

4012.511 Building System 1 (5-1 / 3-3-0, compulsory subject): understanding ways to evaluate and select building materials, equipment, structural and environmental systems for specific building designs. Integrating previous knowledge on structure, environmental control and building construction.

Ability to present and communicate effectively through a group and individual projects. Ability to express a critical thinking process in design. (Directed toward student performance criteria 14, 20, 25, 27, 29, 30, and 31)

4012.512 Building System 2 (5-2 / 3-3-0, elective): Continuation of 'Building System 1': understanding the application of practical technology to design (integration with 'Architectural Design Studio 10').

Ability to take the design process from schematic design to construction documentation. (directed toward student performance criteria 14, 20, 25, 27, 29, 30, and 31)

4012.524 Interior Design (4-2 / 3-3-0, elective): understanding the relationship of architecture to interior architecture.

Ability to design the interior of a building with regards to its overall architecture. (Directed toward student performance criteria 4, 5, 15, and 16)

C3-4 Technology

Courses in Engineering divide into 3 fields: structure, construction technology and environmental technology. Students learn the interdependence of technology and design as well as the design process.

1. Structures

The Structures Curriculum emphasizes the basic concepts of structural design that are required in architecture. The curriculum consists of the following courses:

'Architecture Structural Planning': teaches various approaches to structural design.

'Architecture Structural Mechanics': a case studies approach

'Building Construction 1' and 'Building Construction 2': presents specific construction methods. ('Building construction 1' is open to the freshman in their second term,

'Building construction 2" is open to sophomores in their first term of their second year)

'Building Construction Dynamics' (opened in the second term of the second year): deals with the essentials of architectural dynamics.

'Architecture Structural Planning': teaches the structural system process.

4012.111 Building Structure 1 (1-2 / 3-3-0, compulsory subject): understanding the fundamentals of building construction, materials, and architectural technology. Investigating and analyzing the forms of historically important buildings.

Ability to objectively analyzed and understand building forms and designs.

4012.211 Building Structure 2 (2-1 / 3-3-0, compulsory subject): understanding the fundamentals of construction technology and building material properties. Covering building construction principles and building elements.

Ability to determine the quality of building materials and their application, focusing on the physical properties, function and characteristics of various building materials.

4012.212 Statics (2-2 / 3-3-0, compulsory subject): understanding architectural statics: the force exerted on the object and the resulting movement; issues of stability, equilibrium, moment, sheer, and deformation.

Ability to characterize and determine the qualities of structure in terms of statics.

4012.311 Building Structure Planning (3-1 / 3-3-0, elective): understanding structural systems such beam, column, wall, floor and simple shell as well as the structural configurations of materials; wood, brick, steel and reinforced concrete.

Ability to test the mechanical characteristics of structural materials and of the complete structure through experiments, related journals, and case studies.

2. Environment

The environment is integrally interwoven with architectural design, structures, material and construction. The courses in Environmental Design are thus part of a sequence that ties into courses on 'Building Systems 1', 'Building Systems 2 and 'Architecture Equipment Planning'. 'Architecture Environment' is an introductory course that fosters a basic understanding of the environment. 'Environment Friendly Architecture' takes that basic knowledge and applies it to design. 3rd and 4th year mandatory classes include: 'Architecture Environment', 'Environmentally

Friendly Architecture", and "Building Equipment". The 5th year mandatory class in the sequence is 'Building Systems 1' while 'Building System 2' is an optional class.

4012.312 Environment Technology (3-2 / 3-3-0, compulsory subject): understanding the basic scientific principles of heat, light, and sound in the design of structures and their effect on the environment. Exploring technologically advanced environmental control systems for buildings.

Ability to design energy conscious buildings with the following systems: heating & cooling, humidity, lighting, solar radiation, and acoustics.

Ability to effectively communicate and co-operate with professionals in the field.

4012.411 Mechanical and Electrical Systems for Building (4-2 / 3-3-0, compulsory subject): understanding the fundamentals of mechanical and electrical systems for buildings and its integrative application to building and structural design.

Ability to co-operate with contractors and design construction equipment-conscious architectures.

3. Construction

Classes emphasize the relationship between design and technology ('Architecture and Technology') and construction. Material properties and construction techniques are taught in 'Material Planning'. 'Architecture Construction' is an elective class that encourages an understanding of the spatial-temporal process. "Architecture

Construction Technology" teaches a basic knowledge of construction techniques as well as the process of building.. "Architecture and Technology" is a required class for which third year students. "Building Materials Planning" is available as an elective course in the third year.

4012.313 Building Materials (3-1 /3-3-0, compulsory subject): understanding the importance of building materials, such as ceramics, organic material, metallic material, and wood, in the design of buildings.

Ability to understand material usage in architecture through case studies

4012.314 Construction Technology (3-2 / 3-3-0, compulsory subject): understanding the t process of building design and actual construction including the economic and business aspects of the process.

Ability to assess and configure the principles, procedures and management of building construction.

4012.521 Architecture and Technology (3-1 / 3-3-0, elective): understanding the impact of high-technology on architectural design. New topics and reading material each term.

Ability to respond to natural and built site characteristics in the development of a program and design of a project.

C3-5 Professional Practice

"Professional Practice" educates students in each and every step of the architectural design process. Students are introduced to the business of architecture

and the issues attached to it: quality controls, economical design, construction law, building project planning, real estate development etc... Through field work in accredited architecture offices, students gain an understanding of the complex issues involved in building a project; the manufacturing process, the financial framework, and the management of the construction process. By applying architectural principles within the frame of the business of architecture, students can begin to comprehend the process of business operation, marketing, negotiation, and financial management. They are also introduced to process estimation (POE), facility management as well as professional ethics, legal liability, and the social responsibility of an architect.

4012.405 Building Codes and Regulations (4-1 / 3-3-0, compulsory subject):

understanding the regulations involved in the building process from the architect's licensing process, to all forms of contract negotiations.

Ability to examine problematic issues in urban areas and buildings.

Evaluated on two exams, class participation, creativity, reports and productive ideas.

4012.504 Professional Practice (5-2 / 3-3-0, compulsory subject):

understanding each and every step of the architectural design process. Awareness of professional principles in architecture: the role and responsibility of an architect. Understanding the organization of an office, methods of management and administration of finances.

Ability to produce and understand drawings and documentations in each stage of a project.

Evaluated on spontaneity of design, and its applications, two reports, and a final oral presentation.

4012.526 Building Economics and Development (3-2 / 3-3-0, elective):

understanding the architecture design process in relationship to economic and legal issues. Field professionals and invited academics give guest lectures.

Evaluated on in-class participation, term paper, and two exams.

C4 Curriculum Objectives

C4-1 Level 1 - First and second year students

Level 1 of the Bachelor of Architecture Program is oriented to consolidating a firm base in design and technology for 1st and 2nd year students. A series of core courses are taught in subjects that are necessary for creating an elementary knowledge of the field; students are introduced to Western and Eastern architecture, architectural theory and culture, as well as the basic concepts of structure and technology. Classes on computer and mixed media are soon to be offered. In the Design Studios 1 - 1, 1 - 2, 2 - 1, and 2-2, students are presented with constructed and un-constructed space which they explore to understand the relationship between buildings and their urban settings.

In the second year of Level 1, required courses include 'Architectural Space and Form', and 'Western Architecture 1' in which, students are introduced to the foundations of architecture. 'Architecture Expression Technique' and 'Architecture and Computer' teaches the basic techniques of architectural expression and the practical use of digital media. Structures and methods of construction are addressed in the course sequence of 'Building Construction 1', 'Building Construction 2', and 'Architecture Structural Mechanics'. 2nd year students are encouraged to begin to assimilate ideas in architectural history and theory into their studio design process.

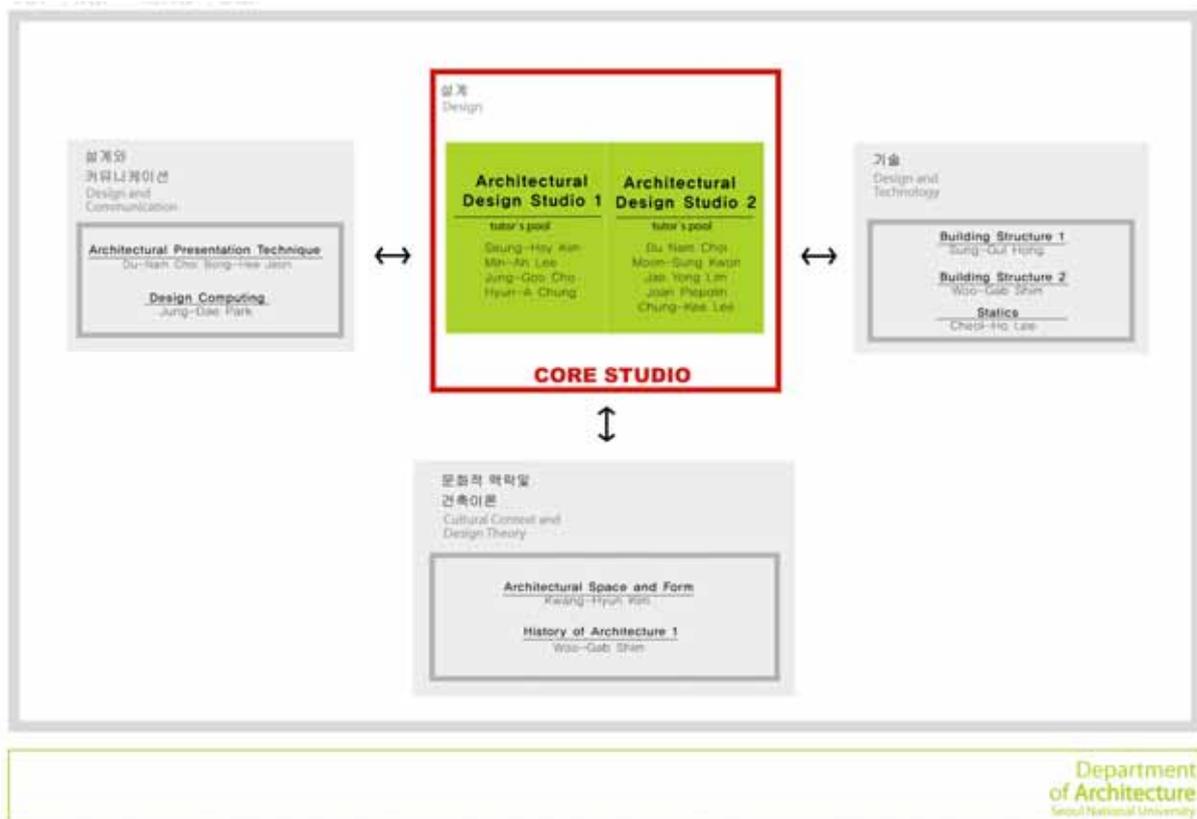


Figure 2 Curriculum of 1st Year & 2nd Year

C4-2 Level 2

Level 2 of the Program is for 3rd and 4th year students. In this level, students are exposed to a wide range of subjects and perspectives. Students can now take elective courses. 1st Level course subjects are expanded upon and a more in-depth approach is taken to architectural history and theory at the 2nd Level. The complexity of architectural space is explored in the Design Studios with a series of practical constraints imposed upon the process.

‘Architecture and Society’, ‘Architect 2’, and ‘Western Architecture 2’ discuss the essential aspects of culture on architecture. Required courses for all students include, but are not limited to ‘Architecture and Culture’, ‘Action and Space’, ‘Asian

Architecture and the City', 'Architecture Work Study', 'Architecture Environment', 'Sustainable Architecture', and 'Building Equipment'. The required engineering related course is 'Architecture Structural Planning'. 'Architecture and Technology', 'Building Materials Plan', and 'Architecture Construction' are the construction related required courses. 'Building Project Planning' and 'Construction Law and System' are fieldwork electives as are 'Interior design', 'Landscape Design', and 'Urban Space Design'.

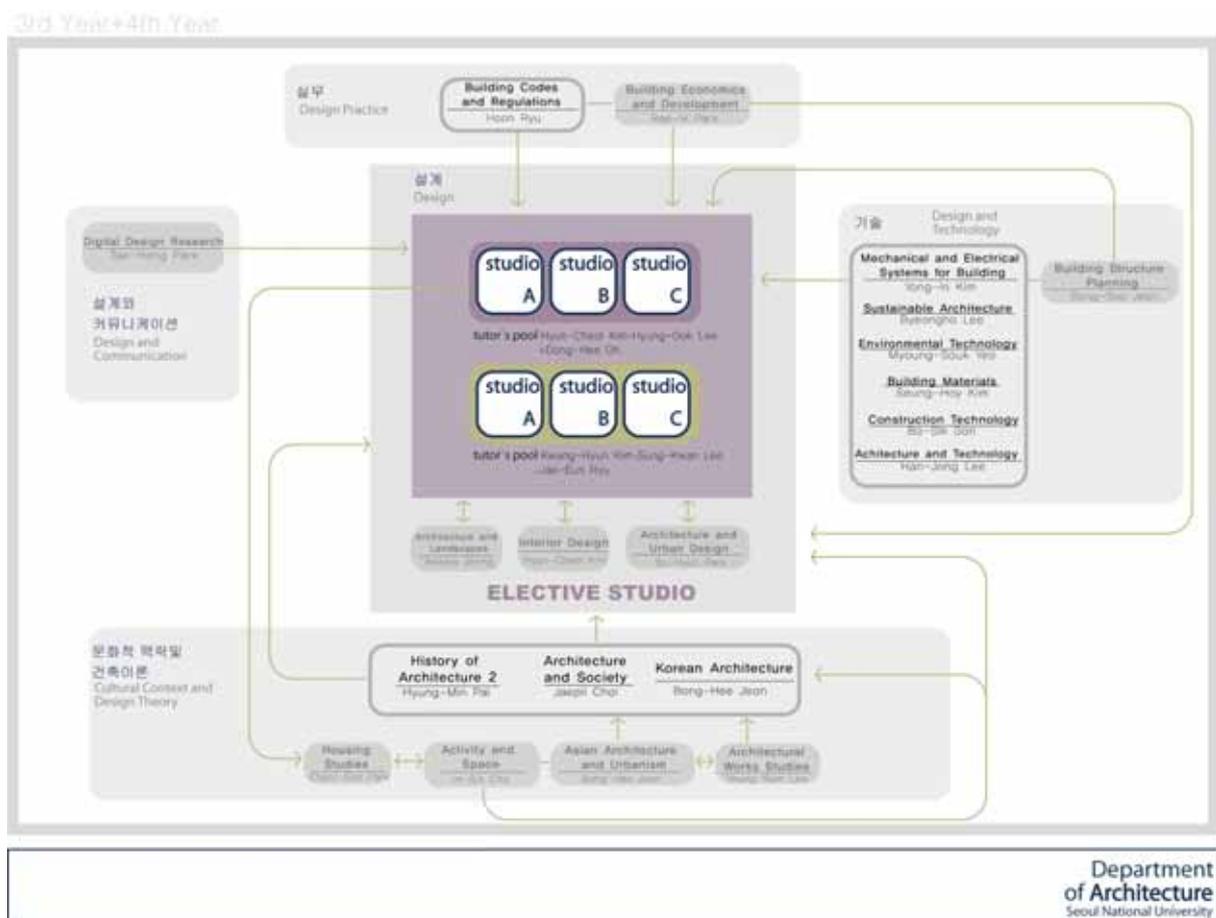


Figure 3 Curriculum of 3rd Year & 4th Year

C4-3 Level 3

Level 3 is the final level of the Program and it is offered to the 5th and final year students. In this year, students are required to consolidate the knowledge gained over the previous four years and to apply it to their final thesis projects. Courses such as ‘Digital Studio’, ‘Architectural Planning and Structure’, and ‘Architecture Business’ introduce practical professional knowledge to students. By the end of this 5th year, students should have a comprehensive background in theory, design and the professional practice.

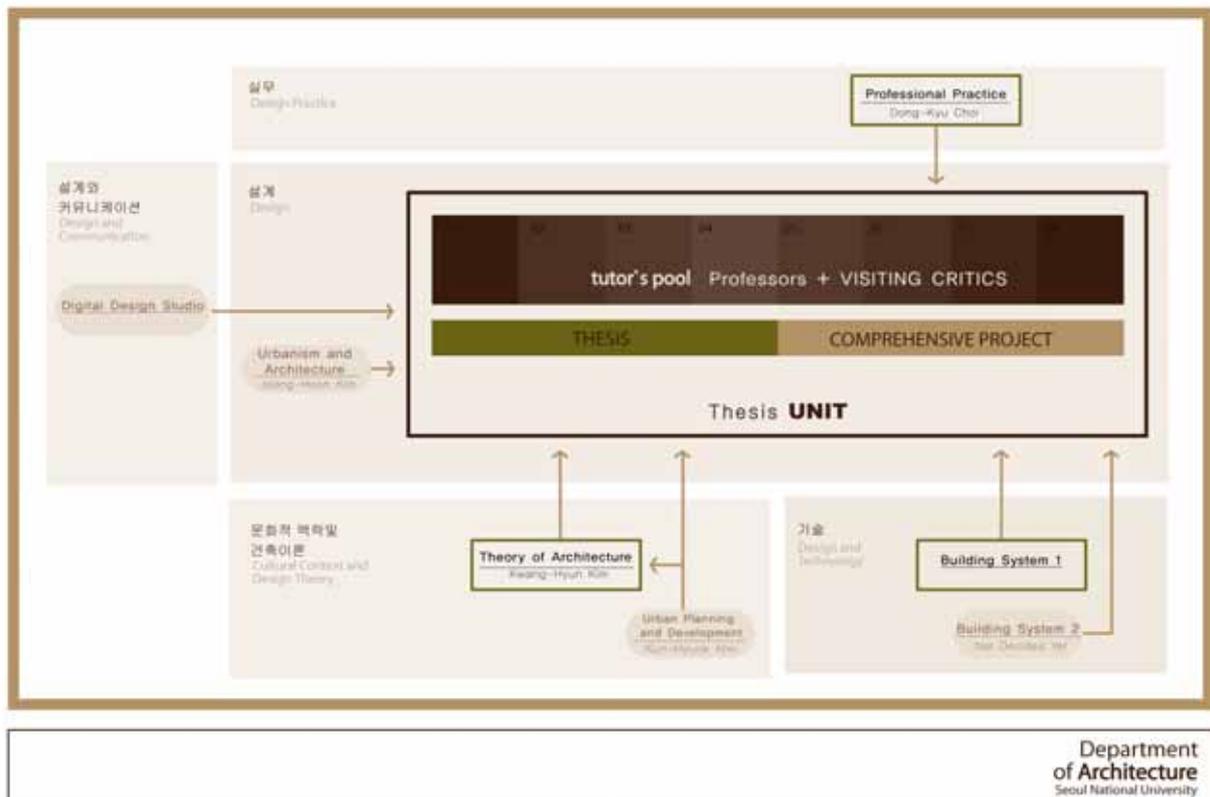


Figure 4 Curriculum of 5th Year

C5 Design Studio and General Classes

The Seoul National University's Department of Architecture assigns Design Studio classes to all architecture students for a full 5 years of the Bachelor of Architecture Program. One Design Studio per semester is required for 10 semesters. These Studios are worth 5 credits every term and students need 50 credits in total. In the Design Studio courses, peer and professional critiques are the standard. Students are assigned private studio space which is open 24/7. Their projects are evaluated by the faculty and the invited jury members.

Augmenting these Design Studios are general classes that are arranged into five categories: Culture, Architectural History and Theory, Design, and Professional Practice. General courses do not entail studio work. Once students complete their required courses, they are permitted to take elective courses in other Departments.

General courses are divided into Lecture courses and lab work courses. The lab work courses require students to do hands-on projects. 'Architecture Expression Technique' (first-year students) and 'Material Planning' (third-year students) are two examples of lab courses. In the lab work oriented courses, students are evaluated by the completed lab work and the supporting materials.

In lecture oriented courses, students are evaluated by tests results and paper submissions.

The lecture courses in the program are the following:

‘Architectural Space & Form’
‘Building Construction’ (first-year students)
‘Design Computing’ (first-year students)
‘History of Architecture 1’ (first-year students)
‘Building Structure 1’ (first-year students)
‘Statics’ (second-year students)
‘History of Architecture 2’ (second-year students)
‘Architecture and Society’ (second-year students)
‘Environmental Technology’ (third-year students)
‘Building Structure 2’ (second-year students)
‘Architecture and Technology’ (third-year students)
‘Korean Architecture’ (fourth-year students)
‘Digital Design Research’ (fourth-year students)
‘Mechanical and Electrical Systems for Building’ (fourth-year students)
‘Building Codes and Regulations’ (fourth-year students)
‘Theory of Architecture’ (fifth-year students)
‘Building System 1, 2’ (fifth-year students)
‘Professional Practice’ (fifth-year student)

C6 Electives

Bachelor of Architecture students have a challenging course schedule. They are required to complete 160 credits for graduation. Mandatory courses earn a minimum of 147 credits, which leaves very few credits for electives. In principle, students may take any elective depending on their curricula but in reality, few students have the extra time. Earning a minor degree in another field is very difficult without additional semesters of study. 14.7 credits would need to be earned in each term in the minor field over the course of 5 years. Since the Department limit 17 credits per term, it is virtually impossible to register / study for a minor degree while enrolled in this program.

C7 Academic Policies and Information

The Seoul National University's Department of Architecture does not dismiss failing students. Bachelor of Architecture students must maintain a 1.7 semester/term and cumulative point average (GPA) to be considered in satisfactory academic standing. The policy of the Department of Architecture requires that grade point standards be maintained for continued enrollment.

- Academic Warning

A student whose cumulative grade point average (GPA) falls below the minimum scale (as noted above) will receive an academic warning. A letter will be issued to each student with recommendations for academic improvement including tutoring, counseling, and reduced academic load.

- Academic Probation

A student who receives an academic warning and does not earn the minimum cumulative GPA for two consecutive terms (3 academic warnings) will be placed on academic probation.

- Academic Services

Counseling: Faculty review of individual student portfolios for academic progress.

Scholarships: Above B average is required to apply for scholarships.

Internship Programs: Exposure to the field. Networking with professionals.

	2002		2003		2004		2005		Note
	1st semester	2nd Semester							
Academic warnings-students	2	1	0	3	1	0	2	3	

	1st time	2nd time	3rd time	Total	Note
Academic warnings-students	5	2	1	8	

Table 11 Academic Warning

D Student Performance Criteria

D1 Student Performance Criteria and Courses

The courses offered in the Bachelor of Architecture Program at the SNU Architecture Department are in the Table 13. This Table covers both required and elective courses. Student Performance Criteria (SPC) in the offered courses is demonstrated in the matrix of courses and SPC, as shown in the Table 14. By taking the required courses, all the SPC are met. As students take additional elective courses, the completion of the SPC is further enhanced.

D2 Educational Goals and Curricula Contents

As described in the Section A, the Bachelor of Architecture has 4 educational goals:

- ① Interdisciplinary Education: humanistic values, intellectual communities, regional traditions, global future
- ② Architecture and Culture: thoughtful considerations on the built environment
- ③ Technology: technology based design practice
- ④ Leadership and Society: architects as leaders of the society

The above four goals are pursued by the following four methods:

- ① Creative: an emphasis on creative approaches
- ② Distinctive: an education that emphasizes process and original thinking
- ③ Intellectual: an in-depth knowledge-based education
- ④ Professional: dialogue that encourages professional cooperation

These four educational goals and methods are fundamentally imbedded in the related SPC. They are also pursued and cross-checked in the five course fields, as categorized in the KAAB's SPC classifications. They are Design Studios, cultural contexts, technologies, professional practices, and communications.

D2-1 Design

Design courses address the complex relationships among people and place in a step by step design process. Students take 10 Design Studios over a 5 year period. The 10 Design Studios are offered in 3 levels. Level 1 consists of required introductory studios, in which four studios are offered (first and second semesters in the first and second years). Level 2 consists of 4 advanced studios (first and second semesters in the third and fourth years). Level 3 consists of 2 thesis studios which are offered to the students in their final year (the 5th year first and second semester). The two thesis studios in the final year of the Bachelor of Architecture Program, take the form of a graduation project and thesis.

The following table shows the details on each studio.

Studio Name	Topic Keyword 1	Topic Keyword 2	Exercises
Architectural Design Studio 1-1	"How to Read the World" Object, Body, Text Relationships , Spatial Constructs	Understanding of the Built Environment , Creative Analysis of Text, Creative Expression	Group and Individual Projects: Drawings and Models
Architectural Design Studio 1-2	"The Idea of Place" Location, Event, Context, Space and Site, Place and Culture	Alley, Yard, Room, Extension, Infrastructure, Event, Urban Space	Drawings, Models, Written Report. An Emphasis on the Section
Architectural Design Studio 2-1	"The Living Unit" Private Space vs. Public Space	Architectural Concept of Ground Analysis, Program and Function Analysis, Conceptual Models, Idea of Dwelling	Research Project, Analytical Drawings, Conceptual Drawings, Design Drawings and Models

Studio Name	Topic Keyword 1	Topic Keyword 2	Exercises
Architectural Design Studio 2-2	"The Working Unit" Material and Structure, Space and Organization, Private Space	Understanding Materials, Spatial Constructs, Learning the Construction Process, Understanding the Organizational System	Research Project, Analytical Drawings, Conceptual Drawings, Design Drawings and Models
Architectural Design Studio 3-1	"Multiple Gathering Space" Mid to Small-scale Space and Exterior Special Function Program	Special Area, Functions, Program, Typical Space, Repetitive Space, Area Connection, Library, Art Gallery, Cultural Facility	Sketches, Perspective Drawings, Complete Architectural Drawings and Models
Architectural Design Studio 3-2	"Performing Space" Modeling an Urban Space, Mid to Large-scale Special Space, Multiple Facilities	Urban Context, City Appearance, Complex Area, Special Function Facilities, Residential Areas, Schools, Performances, Hospitals	Sketches, Perspective Drawings, Complete Architectural Drawings and Models
Architectural Design Studio 4-1	"The Sustainability of Architecture in Urban Space"	An Investigation into Physical Properties, Human Interaction in Architecture, Relationships with Urban Space	Digital Media Presentations and Urban Context Models; Process Drawings
Architectural Design Studio 4-2	"Space of Expression for 100 Urbanites" Urban Space and Program	The Architectural Program and Human Interaction in the Design of Urban Space	Digital Media Presentations and Urban Context Models; Process Drawings; Interpretation Map of Urban Culture
Architectural Design Studio 5-1	"Thesis Project 1" Conceptual Framework and the Practical Framework of the Project, Design Planning, Design Strategy	Integrated Design Process; from Concept to Planning to Details, Advisor/Mentor Professor System	Studio Project: Conceptual Design of Project with Drawings and Site Model Thesis: Research Proposal
Architectural Design Studio 5-2	"Thesis Project 2" Design Implementation: Conceptual, Aesthetic, Technological, and Structural Design of a Building	Completion of an Integrated Design Process, Research, Graduation Thesis Advisor/Mentor Professor System	Studio Project: Final Building Design with Building System Details, Multiple Models Thesis: Completed Written Paper

Table 12 Details of Architectural Design Studios

One of the unique characteristics of the Design Studios in the SNU's Bachelor of Architecture Program is that many of the courses are taught by outstanding practicing professionals. The Department is constantly developing and adding new interdisciplinary networks to provide collaborative educational venues among industry, academia, and the public sector.

D2-2 Cultural Context

The courses in Cultural Contexts, offered in the Bachelor of Architecture Program, are largely divided into three categories. They are: Theory, History and Urban Studies. The knowledge base in these three categories ensures students an in-depth understanding of the field. The emphasis of these categories conforms to eight SPC (SPC 7 through 14). Details are presented in chapter 3.

The faculty meeting in March of 2006, decided to make several changes in the course offerings in this category. It was decided that ‘Urban Conservation’ and ‘Architecture and Culture’ would merge into one course called ‘City Cultures and Urban Conservation’. At the same meeting, it was recommended that the course name of ‘Landscape Design’ be changed into that of ‘Architecture and Landscapes’ while the course name of ‘Urban Space Design’ be changed into that of ‘Architecture and Urban Design’. A new course, called ‘Urban Space Planning’ was added to the first semester of the 5th year Program as a required course (which takes the same course number from the canceled elective course, ‘Modern Architecture Theory’). The contents of ‘Modern Architecture Theory’ would be covered in the courses ‘Architecture Theory’ and ‘Masterpieces of Contemporary Architecture’.

D2-3 Technology

The SNU’s Bachelor of Architecture Program offers a comprehensive list of technology-related courses in a range of diverse topics. Subjects include Architectural Technologies, Environmental Studies, and Construction. Students

acquire hands-on experience in courses in the three sub-groups of Architectural Technologies, Environmental Studies, and Construction. Courses meet the SPC, 26 through 35.

D2-4 Professional Practice

Students acquire experience in the practical side of the architectural industry in courses in this category. Here, SPC from 36 through 41 are pursued and fulfilled. Especially, SPC 36 and 39 are repeatedly covered with additional emphasis on Professional Practice courses. In the ‘Building Project Planning’ course, for example, offered in the second semester in the 5th year, focuses on architect's real estate development and project planning.

D2-5 Communication

The courses offered in the Communications category emphasize the importance of interdisciplinary and multi-media communication. Courses such as ‘Architectural Presentation Techniques’, ‘Building Materials’ and ‘Design Studios’ encourage students to present their ideas with exceptional communication skills; verbal, visual and auditory. In each academic year, students are required to build on their communication skills in written, spoken and visual formats. In an effort to improve students’ writing and presentation skills, the Department offers access to the ‘Language Education Institute’ and ‘Center for Teaching and Learning’ in the Seoul National University. In the near future, certain courses are to be taught in

English. Currently, the second year Design Studios are taught by a University of Pennsylvania-educated foreign architect, Ms. Joan Pierpoline, who practices both in Seoul and New York.

D2-6 Further Information

The SNU's Bachelor of Architecture Program offers distinctive courses that are not offered by other universities in Korea. Those courses include 'Asian Architecture and Urbanism,' Digital Design Studio,' 'Digital Research Methods' 'City Cultures and Urban Conservation' among others.

It is notable that the focus was expanded in the 'Asian Architecture and Urbanism' Course to China, Japan, as well as Vietnam. The strong and close relationship among international scholars of Asia will continue to grow as more research collaborations and professional exchanges are initiated.

D3 Student Performance Criteria (SPC)

The following is a brief explanation of the matrix (Figure 4-1). The matrix cross-references each Student Performance Criterion with the required courses that they cover. All SPC are fulfilled by required courses they are enriched by elective courses.

D3-1 Communication

Students are required to communicate professionally in written, verbal, and visual media. Students take the following courses. The emphasis on visual and verbal communication skills begins in the first year, and is built upon throughout the five year program. Research and writing skills are developed through assignments in the lecture courses. The Thesis Studios in the 5th year are the culmination of students' communication skills.

- 01. Ability to communicate architectural ideas through verbal, visual and writing methods and ability to communicate in a foreign language at an appropriate level.**
Courses: Architectural Presentation Technique / Architectural Design Studio 1-2 / Architectural Design Studio 2-1 / Theory of Architecture
- 02. Ability to appropriately produce and present various types of architectural documents and reports.**
Courses: Architectural Presentation Technique / Architectural Space and Form / Theory of Architecture / Urban Planning and Development / Professional Practice
- 03. Awareness of leadership skills and methods in collaborative work in architecture with professionals from various disciplines.**
Fulfilling courses: Statics / Professional Practice

04. Ability to demonstrate architectural ideas through drawings.

Courses: Architectural Presentation Technique / Architectural Design Studio 1-1 / Architectural Design Studio 1-2 / Design Computing / Architectural Design Studio 2-1 / Architectural Design Studio 2-2 / Architectural Design Studio 3-1 / Architectural Design Studio 3-2 / Architectural Design Studio 4-1 / Architectural Design Studio 4-2 / Architectural Design Studio 5-1 / Architectural Design Studio 5-2

05. Ability to employ appropriate media, including photographs, digital media, models etc. to convey the design process.

Courses: Architectural Presentation Technique / Architectural Design Studio 1-1 / Architectural Design Studio 1-2 / Design Computing/ Architectural Design Studio 2-1 / Architectural Design Studio 2-2 / Architectural Design Studio 3-1 / Building Materials / Architectural Design Studio 3-2 / Architectural Design Studio 4-1 / Architectural Design Studio 4-2 / Architectural Design Studio 5-1 / Architectural Design Studio 5-2

06. Ability to employ information technology in the design process.

Courses: Design Computing

D3-2 Cultural Context

Diverse cultural traditions and social issues are addressed: at the local, regional, and global scale. The following courses demonstrate this approach. The use of design precedents is emphasized in most of the History, Theory and Urban Studies Courses. Students begin to comprehend the continuity in the conceptualization of architecture and its relationship to the city. SNU's Bachelor of Architecture Degree Program provides a special in-depth understanding of the Asia region's built environment. An understanding of the cultural contexts in architecture is achieved by an interdisciplinary series of courses, ranging from Building Systems to Sustainable Architecture.

- 07. Understanding of the relationships between architecture, science, and the arts.**
Courses: Architectural Design Studio 1-1 / Architectural Space and Form / Building Structure 1 / Architectural Design Studio 2-1 / History of Architecture 1 / Statics / History of Architecture 2 / Environmental Technology / Korean Architecture / Theory of Architecture
- 08. Awareness of the diversity of cultural traditions and of world architectural history.**
Courses: Architectural Space and Form / Architectural Design Studio 1-2 / History of Architecture 1 / History of Architecture 2 / Theory of Architecture
- 09. Understanding of national and regional ideological heritage and cultural traditions.**
Courses: Architectural Design Studio 1-2 / Korean Architecture
- 10. Understanding the historical, social, regional, and political factors in architecture.**
Courses: Architectural Space and Form / Architectural Design Studio 1-2 / History of Architecture 1 / History of Architecture 2 / Architecture and Society / Korean Architecture / Theory of Architecture / Urban Planning and Development
- 11. Ability to use precedents with a critical view in architecture.**
Courses: Design Computing / Urban Planning and Development
- 12. Understanding the interaction between cultural values and environmental factors that exists in society.**
Courses: Architecture and Society / Architectural Design Studio 4-1 / Urban Planning and Development
- 13. Understanding the relationship between the physical environment and human behavior.**
Courses: Architecture and Society
- 14. Understanding the principles and theories of sustainability in design.**
Courses: Sustainable Architecture / Urban Planning and Development / Building System 1

D3-3 Design

The Design Studios are the foundation upon which the lecture and lab courses are structured. Design approaches, in a variety of urban scales and contexts, are imbedded in the SPC 15 through 25 and taught in the following courses.

- 15. Understanding the basic concepts of visual perception the principles and ordering system that inform two and three dimensional design, architectural composition, and urban design.**
Courses: Architectural Presentation Technique / Architectural Design Studio 1-1 / Architectural Design Studio 1-2 / Architectural Design Studio 2-1 / Architectural Design Studio 2-2
- 16. Ability to formulate an architectural program on the basis of research and analysis.**
Courses: Architectural Design Studio 3-1 / Architectural Design Studio 3-2 / Architectural Design Studio 4-2 / Urban Planning and Development / Architectural Design Studio 5-1
- 17. Ability to comprehend sustainable and environmental factors and to apply them to architectural design.**
Courses: Architectural Design Studio 3-2 / Sustainable Architecture
- 18. Ability to apply concepts developed from systematic analysis of conditions in various cultural and historical contexts of architectural design.**
Courses: Architectural Design Studio 1-2 / Architectural Design Studio 2-2 / Architectural Design Studio 4-1 / Architectural Design Studio 4-2 / Architectural Design Studio 5-1
- 19. Ability to design barrier free architecture in consideration of the physically challenged and the elderly.**
Courses: Architectural Design Studio 3-1

- 20. Ability to integrate materials, building components, building systems, and structure systems in building design.**
Courses: Architectural Design Studio 2-1 / Building Structure 2 / Architectural Design Studio 2-2 / Statics / Architectural Design Studio 3-2 / Sustainable Architecture / Building System 1 / Architectural Design Studio 5-2
- 21. Ability to present the design process from concept to completion and to document the various design stages.**
Courses: Architectural Design Studio 4-1 / Architectural Design Studio 4-2 / Architectural Design Studio 5-1 / Architectural Design Studio 5-2
- 22. Ability to renovate existing buildings and environments.**
Courses: Architectural Design Studio 1-2
- 23. Ability to integrate the complexities of architectural design into a completed project.**
Courses: Architectural Design Studio 5-1 / Architectural Design Studio 5-2
- 24. Ability to recognize individual talents and to organize a collaborative design team.**
Courses: Architectural Design Studio 1-1 / Architectural Design Studio 1-2 / Architectural Design Studio 2-2
- 25. Ability of applying appropriate life safety and fire protection systems in design.**
Courses: Architectural Design Studio 3-1 / Mechanical and Electrical Systems for Building / Building System 1

D3-4 Technology

Structural, environmental, mechanical, and technological considerations, are emphasized in the SPC 26 through 35, and are fulfilled in the following courses. Courses, such as Building Structures and Building Systems, are integrated into the Design Studios, so that the technology-based design practice is imbedded in the design process.

- 26. Understanding the basic principles of structural dynamics and building structure.**
Courses: Building Structure 1 / Building Structure 2 / Statics / Architectural Design Studio 3-1 / Architectural Design Studio 3-2
- 27. Understanding building structural systems and their application.**
Courses: Building Structure 1 / Building Structure 2 / Statics / Building Materials / Building System 1
- 28. Understanding vernacular methods of environmental control.**
Courses: Environmental Technology / Sustainable Architecture / Mechanical and Electrical Systems for Building
- 29. Understanding the basic principles and performance assessments of environmental control systems, including lighting, acoustical, and energy use.**
Courses: Environmental Technology / Sustainable Architecture / Mechanical and Electrical Systems for Building / Building System 1
- 30. Understanding the basic principles of building envelope systems.**
Courses: Building Structure 2 / Architectural Design Studio 2-2 / Architectural Design Studio 3-1 / Environmental Technology / Sustainable Architecture / Building System 1
- 31. Understanding the basic principles and appropriate application of building service systems including mechanical, electrical, communication, and fire protection systems.**
Courses: Mechanical and Electrical Systems for Building / Building System 1
- 32. Understanding of the basic principles of construction management.**
Courses: Construction Technology
- 33. Understanding of the basic principles, conventions, standards, applications, and restrictions relating to the manufacture and use of construction materials, components, and assemblies.**
Courses: Building Structure 1 / Building Structure 2 / Statics/ Building Materials / Construction Technology
- 34. Understanding of the basic principles of recycling, disposition of construction materials and its potential harmfulness to the environment.**
Courses: Building Materials / Construction Technology / Sustainable Architecture

- 35. Understanding the principles and stages in construction management.**
Courses: Construction Technology / Mechanical and Electrical Systems for Building

D3-5 Professional Practice

Students are expected to learn about the nature of professional practice and to learn to exercise ethical and professional judgment. The SPC 36 through 41, are fulfilled in the following courses. Students are required to demonstrate their mastery of project planning, financing, and management as they finish their 5th year thesis project.

- 36. Awareness of the basic principles for the organization of an architectural design office business planning, financial management, negotiation, marketing, and leadership in the professional practice of architecture.**
Courses: Professional Practice
- 37. Understanding of the architect's complex role in completing a design project; project initiation, design development through to construction, leadership in the coordination of allied disciplines, construction supervision, post-occupancy evaluation, and facility management.**
Courses: Building Codes and Regulations / Professional Practice
- 38. Awareness of the basics of real estate development: financing, building economics, and construction cost control in advancing a design project.**
Courses: Building Structure 2 / Building Materials / Construction Technology / Mechanical and Electrical Systems for Building / Professional Practice
- 39. Awareness of the different methods of project delivery: the complexities of service contract forms, and the various types of documentation required to deliver competent and responsible professional services.**
Courses: Professional Practice

- 40. Understanding of the architect's legal responsibility in the areas related to public health, safety, public interest, property rights, building code application, and design leadership.**

Courses: Building Structure 2 / Architecture and Society / Building Codes and Regulations / Professional Practice

- 41. Understanding the ethical issues and responsibilities of an architectural professional.**

Courses: Architectural Design Studio 1-2 / Building Structure 2 / Architecture and Society / Building Codes and Regulations / Urban Planning and Development / Professional Practice

Year/ Semester	Communication	Cultural Context			Design	Technology			Professional Practice
		Theory	History	City		Structure	Environment	Construction	
1 / 1	- Architectural Presentation Technique				- Architectural Design Studio 1-1				
1 / 2		- Architectural Space and Form			- Architectural Design Studio 1-2	- Building Structure 1			
2 / 1	- Design Computing				- Architectural Design Studio 2-1	- Building Structure 2			
2 / 2			- History of Architecture 1		- Architectural Design Studio 2-2	- Statics			
3 / 1		- Housing Studies	- History of Architecture 2		- Architectural Design Studio 3-1	- Building Structure Planning		- Architecture and Technology - Building Materials	
3 / 2		- Architecture and Society - Activity and Space			- Architectural Design Studio 3-2		- Environmental Technology	- Construction Technology	- Building Economics and Development
4 / 1	- Digital Design Research	- Architectural Works Studies	- Korean Architecture	- The City Cultures and Urban Conservation	- Architectural Design Studio 4-1				- Codes and Regulations
4 / 2			- Asian Architecture and Urbanism	- Architecture and Urban Design - Sustainable Architecture - Architecture and Landscapes	- Architectural Design Studio 4-2 - Interior Design		- Mechanical and Electrical Systems for Building		
5 / 1	- Digital Design Studio	- Theory of Architecture		- Urban Planning and Development	- Architectural Design Studio 5-1 - Building System 1				
5 / 2				- Urbanism and Architecture	- Architectural Design Studio 5-2 - Building System 2				- Professional Practice

Table 13 Curriculum for 1st Semester, 2006

Course Title		Communication					Cultural Context								Design										Technology										Professional Practice					Total			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		39	40	41
1 Year	Architectural Presentation Technique	■	■	□	■	■	■	■	□	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	□	■	□	□	■	■	5	
	Architectural Design Studio 1-1	1	2	3	■	■	6	■	8	9	10	11	12	13	14	■	16	17	18	19	20	21	22	23	■	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	5
	Architectural Space and Form	1	■	3	4	5	6	■	□	9	■	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	4
	Architectural Design Studio 1-2	■	2	3	■	■	6	7	□	■	■	11	12	13	14	■	16	17	■	19	20	21	■	23	■	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	■	11
	Building Structure 1	1	2	3	4	5	6	■	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	■	■	28	29	30	31	32	■	34	35	36	37	38	39	40	41	4
2 Year	Design Computing	1	2	3	■	■	■	7	8	9	10	■	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	4
	Architectural Design Studio 2-1	■	2	3	■	■	6	■	8	9	10	11	12	13	14	■	16	17	18	19	■	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	6
	Building Structure 2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	■	21	22	23	24	25	■	■	28	29	■	31	32	■	34	35	36	37	□	39	■	■	8
	History of Architecture 1	1	2	3	4	5	6	■	□	9	■	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	3
	Architectural Design Studio 2-2	1	2	3	■	■	6	7	8	9	10	11	12	13	14	■	16	17	■	19	■	21	22	23	■	25	26	27	28	29	■	31	32	33	34	35	36	37	38	39	40	41	7
	Statics	1	2	□	4	5	6	■	8	9	10	11	12	13	14	15	16	17	18	19	■	21	22	23	24	25	■	■	28	29	30	31	32	■	34	35	36	37	38	39	40	41	6
3 Year	History of Architecture 2	1	2	3	4	5	6	■	□	9	■	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	3
	Architectural Design Studio 3-1	1	2	3	■	■	6	7	8	9	10	11	12	13	14	15	■	17	18	■	20	21	22	23	24	■	■	27	28	29	■	31	32	33	34	35	36	37	38	39	40	41	7
	Building Materials	1	2	3	4	■	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	■	28	29	■	31	32	■	■	35	36	37	□	39	40	41	6
	Architecture and Society	1	2	3	4	5	6	7	8	9	■	11	■	■	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	■	■	5
	Architectural Design Studio 3-2	1	2	3	■	■	6	7	8	9	10	11	12	13	14	15	■	■	18	19	■	21	22	23	24	25	■	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	6
	Environmental Technology	1	2	3	4	5	6	■	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	■	■	■	31	32	33	34	35	36	37	38	39	40	41	4
	Construction Technology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	■	■	■	■	36	37	□	39	40	41	5

Course Title		Communication					Cultural Context								Design										Technology										Professional Practice					Total			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		39	40	41
4 Year	Korean Architecture	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	3
	Architectural Design Studio 4-1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	5
	Building Codes and Regulations	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	3
	Sustainable Architecture	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	7
	Architectural Design Studio 4-2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	6
	Mechanical and Electrical Systems for Building	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	6
5 Year	Theory of Architecture	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	5
	Urban Planning and Development	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	7
	Architectural Design Studio 5-1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	6
	Building System 1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	7
	Architectural Design Studio 5-2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	5
	Professional Practice	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	8
Total		4	5	2	12	13	1	10	5	2	8	2	5	1	3	5	5	2	5	1	8	4	1	2	3	3	5	5	3	4	7	2	1	5	3	2	1	2	5	1	4	6	

Table 14 SPC Matrix - Required Courses

(Awareness Understanding Ability)

Course Title		Communication					Cultural Context								Design										Technology										Professional Practice						Total		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		40	41
		■	■	□	■	■	■	■	□	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	□	■	□		□	■
3 Year	Housing Studies	1	2	3	4	5	6	7	8	■	■	■	■	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	5	
	Architecture and Technology	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	■	21	22	23	24	25	26	■	■	■	30	■	■	33	34	■	□	37	38	39	40	41	8
	Building Structure Planning	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	■	21	22	23	24	25	■	■	28	29	30	31	32	33	34	35	36	37	38	39	40	41	3
	Building Economics and Development	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	■	□	39	40	41	2
	Architecture and Urban Design	1	2	3	4	5	6	7	8	■	10	11	12	13	■	15	16	17	18	19	20	21	22	23	24	25	26	■	28	29	30	31	32	33	34	■	36	37	38	39	40	■	5
	Activity and Space	1	2	□	4	5	6	7	8	9	■	11	■	■	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	4
4 Year	The City Cultures and Urban Conservation	■	■	3	4	5	6	7	□	■	■	11	12	■	■	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	7
	Digital Design Research	1	■	3	■	■	■	■	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	5
	Architectural Works Studies	1	2	3	4	5	6	■	□	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	2
	Architecture and Landscapes	■	2	3	■	■	6	7	8	9	10	11	12	13	■	15	16	■	18	19	20	21	22	23	24	25	26	27	■	29	30	31	32	33	34	■	36	37	38	39	40	41	7
	Interior Design	1	2	3	■	■	6	7	8	9	10	11	12	13	14	■	■	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	4
	Asian Architecture and Urbanism	1	2	3	4	5	6	■	□	■	■	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	4
5 Year	Digital Design Studio	1	2	3	■	■	■	7	8	9	10	11	12	13	14	■	■	■	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	6
	Building System 2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	■	28	■	■	■	32	■	34	35	36	37	38	39	40	41	5
	Urbanism and Architecture	■	2	3	4	5	6	7	8	9	■	■	■	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	4
Total		3	2	1	4	4	2	3	3	4	5	2	3	3	3	2	2	2	0	0	2	0	0	0	0	0	1	4	2	2	1	2	1	1	0	3	1	1	1	0	0	1	

Table 15 SPC Matrix - Elective Courses

(Awareness□ Understanding■ Ability■)

E Student Information

E1 General Student Information

As of the first semester of 2006, there are 216 students enrolled in the Department of Architecture, 150 of whom are in the new Bachelor of Architecture Program, with the remaining 66 in the former course, the Bachelor of Science in Engineering. These figures are based on the number of all registered students, including students currently on a leave of absence. Also, the academic years specified in the data indicate the number of years a student has been registered in a course, and may not comply with the designated grade system.

Type	New Students Capacity	Enrolled Students			Incoming Students		Outgoing Students		Enrolled Students (As of the Year 2006)	
		Regular Student enrollment	Special Student enrollment	Total	Transfer from Another University	Transfer from Another Department	Withdrawal	Transfer to Another Department		
B.Arch. Program Student	1 Year	26	26	3	29	-	-	-	-	29
	2 Year	32	28	3	31	1	3	3	-	32
	3 Year	32	30	2	32	1	3	-	1	35
	4 Year	32	32	1	33	2	5	3	5	32
	5 Year	32	32	0	32	-	-	1	6	25
	Sub-Total	154	148	9	157	4	11	7	12	153
B.S. in Architecture Program Student	1 Year	-	-	-	-	-	-	-	-	0
	2 Year	-	-	-	-	-	-	-	-	1
	3 Year	-	-	-	-	-	-	-	-	6
	4 Year	-	-	-	-	-	-	-	-	59
	Sub-Total	-	-	-	-	-	-	-	-	66
Total	154	-	-	-	4	11	7	12	216/186	

Table 16 Current Student Information

- * The number of students in the old program is the total number of students in the Department of Architecture, before being divided into the Bachelor of Architecture Program and the Bachelor of Science in Architectural Engineering Program. Therefore, when calculating the staff/student ratio, 50% was calculated in accordance with general precedence.
- * Enrolled students signify the students that registered for the spring semester of the 2006 school year. The students' years are calculated by the number of registered semesters. Included in the group of 59 students who are noted as being in their 4th year of the old curriculum, are students who attended the program for more than 5 years.
- * In the case of transfer students (whether it is from another university or from another department), the year of their transfer is calculated as being their 2nd year.
- * Only students who transferred (whether it is from another university or from another department) into the Department of Architecture after 2004 were calculated.

Breakdown of the Short-term Domestic Exchange Program Participants

The SNU has established a number of student exchange programs with other universities in Korea. According to the agreement, students may take courses at another university for no more than one semester at the participating university. Students generally utilize the exchange programs during their summer and winter breaks. While students from other universities regularly take SNU courses, there was only one SNU student who took courses at another university during the academic year of 2005.

Category		Total No. of Exchange Students	SNU Students to Receive Credits at Another University				Students from Another University to Receive Credits from SNU			
			Spring	Summer	Fall	Winter	Spring	Summer	Fall	Winter
Distribution of Exchange Students	2002	8	-	-	-	8	-	-	-	-
	2003	11	-	2	-	9	-	-	-	-
	2004	11	-	3	-	8	-	-	-	-
	2005	6	-	5	-	?	1	-	-	-
	2006	0	-	?	-	?	-	-	-	-
	Total	36	0	10	0	25	1	0	0	0

Table 17 Exchange Students

Breakdown of the Short-term Foreign Exchange Program Participants

SNU has established academic exchange programs with other foreign universities. Students who finished their 3rd year of course work with 3.0 GPA can apply for an exchange program. If selected, he or she can spend one year of study at the approved foreign university. Graduate students, rather than undergraduate students participate in this program. This may be due to the fact that undergraduate students who are in their 3rd and above years tend to participate in domestic summer or winter sessions during their school breaks. They also participate in internship programs in Korea. Foreign students who enroll in the SNU Architecture Department are usually of Korean heritage foreign who are able to speak the Korean language since most of the courses in the Architecture Department are currently taught in Korean.

Category		Total No. of Exchange Students	SNU Students to Receive Credits at Another University				Students from Another University to Receive Credits from SNU			
			Spring	Summer	Fall	Winter	Spring	Summer	Fall	Winter
Distribution of Exchange Students	2002	1	-	-	-	-	-	-	1	-
	2003	1	1	-	1	-	-	-	-	-
	2004	1	-	-	-	-	1	-	-	-
	2005	1	-	-	-	-	1	-	-	-
	2006	1	-	-	-	-	-	-	1	-
	Total	6	1	0	1	0	2	0	2	0

Table 18 Foreign Exchange Students

E2 Demographics of New Students

Students applying to the SNU Department of Architecture are selected from a special applicant pool. Most undergraduate freshmen in the College of Engineering are admitted into the general engineering majors at first, and later move to the specific majors of their choice in their second year. This unique admission process for the applying student has become a strength of the Program, as it recognizes those students who have an aptitude and a passion for architecture. Most freshmen students show a strong attachment to the Department and demonstrate their determination in pursuing the paths necessary to become an architect. Freshmen in the Department of Architecture are very focused; the rigorous educational curriculum begins in the first year of the Program and the achievement level is quite high in the freshman class.

New students to the Department of Architecture rank relatively high among the students who enroll in the College of Natural Sciences, and in the College of Engineering. It is the 7th among 21 units in College of Natural Sciences. In the College of Engineering, it is next in line to the Departments of Electrical Engineering, Computer Science & Engineering, and Chemical & Biological Engineering. The following data explains the region, gender, and previous education of new students. The data presented for the years 2006 through 2002 targets only students in the Bachelor of Architecture Program. The other years' data reflects all students in the Department of Architecture.

The following Tables show the demographic characteristics of the freshmen class; it describes their place of birth, gender, ratio by different types of high schools. The 2002 and 2006 statistics are for the B Arch freshmen and the rests are for freshmen in both the B Arch and the BE in Architecture. These statistics are based on the student registration cards as of 2005, second semester.

Distribution of New Students in 2006-New Students in 2002

1. Regional Origin

Category	2006	2005	2004	2003	2002	Total
1. Seoul	8	11	15	13	12	59
2. Other Regions	19	16	16	19	22	92
3. Overseas	2	2	-	1	-	5
Seoul / Total	27.5 % (8/29)	37.9 % (11/29)	48.4 % (15/31)	39.4 % (13/33)	35.3 % (12/34)	37.8 % (59/156)

Table 19 Student Make-up

2. Male to Female Ratio

Category	2006	2005	2004	2003	2002	Total
1. Male	16	18	22	22	26	104
2. Female	13	11	9	11	8	52
Female / Total	44.8% (13/29)	37.9 % (11/29)	29 % (9/31)	33.3 % (11/33)	23.5 % (8/34)	33.3 % (52/156)

Table 20 Male to Female Ratio

3. Distribution of Types of High Schools

Category	2006	2005	2004	2003	2002	Total
1.Regular High School	23	25	30	29	31	138
2.Specialty High School	3	1	1	2	3	10
3.Qualification Examination for College Entrance	1	1	-	1	-	3
4.International School	2	2	-	1	-	5
Regular High School/Total	79.3 % (23/29)	86.2 % (25/29)	96.7 % (30/31)	87.8 % (29/33)	91.1 % (31/34)	88.5 % (138/156)

Table 21 High Schools Information

In comparison to the University at large and to the College of Engineering, there are noticeable trends in the students that apply to the Department of Architecture: more students are from Seoul, there are more female students, and more students are from foreign high schools.

In 2006, the ratio of students from Seoul among the freshmen in the Department is excessively high, even when compared to the statistics of the entire University (36.1%). This reflects the fact that Seoul, a city of 14 million people, is both the capital city of Korea as well as its financial center; an understanding of urban culture is obviously concentrated in the capital city.

The relative dominance of female students is a continuing trend. Nevertheless, even in 2006 the ratio of female students in the Department is quite high compared to the ratio of new students in the entire University (36.6%). This trend indicates the female population will continue to increase. Another notable fact is that there are always one or two new students from foreign high-schools every year. These students are accepted through a separate competition process that separates their admission from local students. This figure is not conventional, since the entire University admits approximately 50 students from foreign high schools each year (47 in 2006). These students contribute to the global aspect of the academic experience. Students from specialized institutions such as science high schools or foreign language high schools occupy 2 or 3 seats every year without fluctuation.

E3 Student/Professor Ratio

The Faculty in the Department of Architecture has five different rankings: professor, adjunct professor, assistant professor, full-time lecturer, and teaching assistant. Faculty above the lecturer level is registered under an age-limit system. The teaching assistants are contract employees hired on an annual basis. Currently there are 4 professors, 3 adjunct professors, 2 assistant professors and 2 full-time lecturers - a total of 11 full-time members participating in education and research. There is a total count of 183 registered students - 150 students in the new Bachelor of Architecture Program, plus half of the 66 students in the former Bachelor of Science in Architectural Engineering - the Student/Professor ratio is therefore 16.63 students per full-time faculty.

Our Bachelor of Architecture Program depends on a number of outstanding visiting faculty who teach courses each term in the Department. In the first semester of the 2006 academic year, there were 18 visiting lecturers in studios and lecture courses. There were 9 teaching assistants working as supporting faculty to aid studio lectures. Teaching assistants are selected from graduate students in the master or doctoral degree programs. They are given full tuition waivers along with monthly scholarships for their work. If the total teaching faculty count of 38 is applied, the Student/Professor ratio is 4.82 students per faculty member.

If the Professor/Student ratio is examined for the Design Studios, there are 3 studio lecturers per year (one for each section of the studio) in the first to fourth academic years, and 6 lecturers in the fifth year to support the thesis studios. The following is the number of students enrolled in the Department, including current full-time students and those who desire to transfer or change one's major: 36 in the first year, 29 in the second, 30 in the third, 24 in the fourth and finally 24 in the

fifth. If you calculate the ratio from these 143 students in studios and the 18 lecturers, then the Student/Professor ratio is 7.94 students per studio lecturer.

In required lecture courses, each class holds 19 to 52 students. From the 366 students attending these lectures and the 11 lecturers who teach them, we derive the Student/Professor ratio of 33.27 students per classroom lecturer.

1. Full-Time Faculty

Professor	Associate Professor	Assistant Professor	Total	The Student / Faculty ratio
4	3	2	9	186/9 = 20.6

Table 22 Full-time Faculty

2. Program Lecturers and Assistants

Faculty	Visiting Faculty	Assistant Instructor	TA	Total	The Student / Program Faculty ratio
9	18	2	9	38	183/38 = 4.82

Table 23 Lecturers and Assistants

3. Student to Tutor ratio in Design Studio

Design Studio	1-1	2-1	3-1	4-1	5-1	The Student / Tutors ratio
Tutors	3	3	3	3	6	143/18 = 7.94
Students	36	29	30	24	24	
The Student / Studio ratio	12	9.67	10	8	4	

Table 24 Student/Tutor Ratio in Design Studio

4. Student to Instructor ratio in Lecture Classes

Courses	Instructor	Students	the Student / Instructor ratio
Architectural Presentation Technique	2	39	19.5
Design Computing	1	31	31
Building Structure 2	1	33	33
History of Architecture 2	1	49	49
Architecture and Technology	1	52	52
Building Materials	1	30	30
Korean Architecture	1	35	35
Building Codes and Regulations	1	43	43
Theory of Architecture	1	35	35
Building System 1	1	19	19
Total	11	366	33.2

Table 25 Student/Instructor Ratio in Lecture Classes

E4 Student Information: Admissions, Transfers, Graduation

Seoul National University students have a great deal of flexibility in the approach to their course of study. Students are offered opportunities to do advance work in their programs, transfer to others school or departments within the university, or change their major within the school regulations. There are eight ways to enroll in the 5 year Bachelor of Architecture Program. In order to be officially enrolled in this program, students must be registered in the program from their freshman year or transfer into the program. Otherwise, they may only be able to take a limited series of courses until they finish all the program prerequisites.

1) Regular admission:

Students are given admission to the program upon their first university registration. This includes international students.

2) Re-admission

- A. Must have an undergraduate degree from an accredited institution
- B. Credits transfers that may include credits from other accredited institutions.
- C. Enroll in the third year of the 5 year program upon admission
- D. Transfer students, with diverse academic background, who are evaluated by a written exam and an interview. In the interview, they are asked their motivation to change their major course of study, their comprehension of the field, and their enthusiasm and academic background.

3) Transfer

- A. Offered to currently registered Seoul National University students.
- B. First two years of undergraduate grades count towards the major if the student is to be placed in to the third year of the five year program.

C. Students may apply for the transfer only once.

D. 6 credits of electives, which are taken prior to admission, may be transferred to accelerate the completion of the program in 4 years.

4) Military academy graduates

A. Military academy graduates who are still in service

B. Must meet all the requirements mentioned in #2 (ie. Re-admission).

C. Enroll in 2nd year of the 5 year program upon admission.

5) Minor

Due to the credit limit per term, it is impossible to take this program as a minor

6) Double Major

Due to the credit limit per term, it is impossible to take this program as another major without additional academic years.

7) Visiting Student

A. International and national university students may take courses

B. Must consult supervisor prior to registration

8) Auditing / electives

A. Students may audit or take courses for grades

B. Must consult supervisor prior to registration

** The department applies strict admission regulations to re-admitted students.

Due to the academic re-structuring of this 5 year program, the number of compulsory subjects has been increased and the program as a whole has become

even more challenging to complete. This re-structuring conforms to the new academic accreditation regulations. It is recommended to transfer applicants to take the first year course ‘Architectural Expression Methods’ and/or ‘Design Studio 1’ to familiarize them with the subject as well as lessen the burden of course work once they receive admission. It has been noticed that the majority of successful transfer/re-admitted students are from fine arts background as they have more experience and training in expressing personal and individual ideas through 3D media. The department has been admitting about 3 transfer students every year.

Type	Year	2006		2005		2004		2003		2002	
	Student Capacity	26		32		32		32		32	
	Type	apply	Enroll	apply	Enroll	apply	Enroll	apply	Enroll	Apply	Enroll
Regular Student Enrollment	Regular Recruitment	40	14	83	17	62	22	56	22	47	23
	Early Recruitment	-	-	-	-	85	8	77	10	40	9
	Special Recruitment (Region)	18	7	18	5	-	-	-	-	-	-
	Special Recruitment (Specialist)	33	5	18	6	-	-	-	-	-	-
	Subtotal	91	26	119	28	147	30	133	32	87	32
	Student Enrollment Comparison Ratio	3.5	100%	3.7	87%	4.5	93%	4.1	100%	2.7	100%
Special Student Enrollment	Special Recruitment for Students of Rural Farming and Fishing Areas	3	1	1	1	5	2	3	0	0	0
	Special Recruitment for International Students	5	2	4	2	2	0	5	1	0	0
	Subtotal	8	3	5	3	7	2	8	1	0	0
Total # of Registered Students		29		35		32		33		32	
Ratio of Registered Students to Student Enrollment		111%		109%		100%		103%		100%	

Table 26 Student Registered Portfolio

Type	Year	2006	2005	2004	2003	2002	Total
		Student Capacity	26	32	32	32	32	154
	Admission Students	29	35	32	33	32	161
Incoming Students	Transfers from Another University	-	1	1	2	-	4
	Transfers from Another Department	-	3	3	5	-	11
	Subtotal of Incoming Students	0	4	4	7	0	15
	Ratio of Incoming Students to Student Enrollment	0	12%	12%	21%	0	9%
Withdrawing Students	Withdrawal	-	3	-	3	1	7
	Transfers to Another Department	-	-	1	5	6	12
	Subtotal of Withdrawing Students	0	3	1	8	7	17
	Ratio of Outgoing Students to Student Enrollment	0	9%	3%	25%	21%	11%
Students Enrolled Currently, as of 2006		29	32	35	32	25	153

Table 27 Enrolled Students in 2006

E5 Professional Degree Certification Materials

E5-1 Publication of Materials

Refer to Appendix

E5-2 Notification of the Certification System

1 Introduction of the Accreditation Process to Freshmen

In the 5-year Bachelor of Architecture Program, there has been a continuous effort to introduce the Certification System and the school's pending arrangements, to the students and to the University. An orientation meeting was held for new students in February in which introductory booklets were handed out with detailed information about the changes: about the organization of the Department, the educational goals, the school affairs, syllabuses, faculty, important publications, military duties and employment, and career management.

The introductory booklets, titled 'DOA', have served as a general guide for students. They were first published in 1998 and have now been updated to the current volume 9. A 2-day membership training event has also been held regularly to encourage dialogue between new and current students, and to facilitate the exchange of information about academic life. These educational programs are supported by the efforts of the student council.

Beginning this academic year, the Department held an introduction session to explain all aspects of the Licensing System and the Bachelor of Architecture Program. The event was directed by Professor Kwanghyun Kim, was attended by 58 students, mostly freshmen.



Title : Introduction of Architectural Accreditation
Time : 5-6 pm March 3, 2006
Place : Architectural Design Studio 2
Recipients: 58 B.Arch. Students
1st Year(25), 3rd Year(20), 5th Year(13)
Chairman : Professor Kwanghyun Kim
Contents : Introduction of Architectural Accreditation, Educational Goals of Seoul National University, Overall Content of Architectural Registration and Requirement for the Students

Figure 5 Architectural Accreditation

2 Introduction of the Certification System to Existing Students

The Department has a published bulletin (beginning in October of 2005) dedicated to introducing the certification system to current students. The Department has also set up frequent small-group meetings rather than one-time events to discuss all of the changes. Official information events have been scheduled quarterly. Student interviews have also been used as opportunities to inform students of the educational goals and related changes to the program. The student council has played a major role in making students aware that the Bachelor of Architecture Program certification is not a simple course certification, but a chance to improve the quality and breadth of their education. In the first quarter of this year, there was an introductory event for current students in which 50 students participated.



Title : Introduction of Architectural Accreditation 2
Time : 1.5-2.3 pm March 14, 2006
Place : BK Conference Hall (B1)
Recipients: 50 B.Arch. Students
2nd Year(26), 4th Year(16), 5th Year(8)
Chairman : Professor Kwanghyun Kim
Contents : Introduction of Architectural Accreditation, Educational
Goals of Seoul National University, Overall Content of
Architectural Registration and Requirement for the
Students

Figure 6 Architectural Accreditation 2

E6 Description of Student Services: academic counseling (evaluation of student's academic and professional development), internship opportunities

E6-1 Student Counseling

In the Bachelor of Architecture Program we provide an academic advising system, in which a dedicated faculty member guides a student throughout their tenure at the University. This system allows the advisors to develop a close working relationship with the individual student. Often, the advisor plays a major role in the academic and career management of the student as well as a support for the difficulties of university life. The academic adviser is obliged to counsel students more than once every semester and regular student interviews are conducted within an allocated period to all students. The students may also schedule additional interviews with their academic adviser.

- Academic year 2005, second semester: Nov. 1, 2005 ~ Nov. 4, 2005
- Academic year 2006, first semester: Apr. 10, 2006 ~ Apr. 14, 2006

In 2006, the Department created a structured checklist for counseling sessions. The checklist is tailored to each year of the Program; for the 1st year, for the 2nd, 3rd, and 4th year students; and for the 5th year students. The counseling sessions consist of general interviews and curriculum discussions. For the general interviews, the freshmen group is surveyed about their first-year experiences in the Program, college life, the curriculum, and extra-curricular activities. The 2nd, 3rd, and 4th-year students are asked about their academic achievements and their views about the Program. For the 5th year students, career planning is a key subject in the individual counseling sessions. Another goal of counseling is to give academic

advice to each student regarding the requirements of the program. All the counseling documents are analyzed and reviewed for future planning.

The various forms of the counseling checklist are attached in the Appendix

E6-2 Conversations with Alumni

Since 2001, the Department of Architecture has invited accomplished alumni to meet with students on an annual basis. It is an event the Alumni Association enthusiastically supports. Active alumni from all aspects of the profession come and share their experiences with the students. The goal of this annual event is to increase student understanding of their future careers. The invited alumni are as follows:

-Dec. 6, 2001, Thursday 5 P.M., Building 35 Room 416 (Exhibition hall)

Sungbu Hong (class of 1960) [Adviser, Booyoung Inc.]

Youngeul Kim (class of 1963) [CEO, Fursys Corp.]

-Nov. 29, 2002, Friday 5 P.M., Building 35 Room 416 (Exhibition hall)

Soon Ji (class of 1958) [CEO, Gansam Partners Inc.]

Hyunjoong Kim (class of 1974) [CEO, Hanwha E&C Corp.]

-Dec. 4, 2003, Thursday 5 P.M., Building 35 Room 416 (Exhibition hall)

Youngee Lee (class of 1961) [CEO, Heerim Architects & Planners]

Jonghoon Kim (class of 1970) [Representative, Hanmi Parsons Inc.]

-Oct. 21, 2004, Thursday 4 P.M., Building 35 Room 416 (Exhibition hall)

Jungsik Kim (class of 1958) [CEO, Junglim Architecture Co.,Ltd.]

Seheum Park (class of 1975) [President, Daewoo E&C Co.,Ltd.]

-Nov. 3, 2005, Thursday 4 P.M., Building 35 Room 416 (Exhibition hall)

Daejin Boo (class of 1963) [CEO, Jina Architects] : Paradigm Shift in Architecture

Younggeun Lee (class of 1976) [Commissioner, The Ministry of Planning and Budget, Private Investment Planning Dept.]: Construction Investment Prospects – Focused on Private Investments including BTL.

E6-3 Internship Training for Third and Fourth Year Students

The Department organized a more formal and regulated internship program for third & fourth year students in 2004 when students of the newly established curriculum entered their third year. By taking advantage of summer and winter vacations, students work with numerous Seoul based architecture firms. During the internship periods, a dedicated faculty member will visit the co-operating firms to observe students and exchange opinions with the officer in charge. Internship periods are approximately 1 month long in agreement with the associating office.

At the end of the internship, the Department requires an evaluation of their working experience. The internship is an opportunity for the student to experience a professional working environment. The experience is an important one for the student.

In 2006, the College of Engineering arranged a program to approve credits from practice training for course credit. The Bachelor of Architecture Program has not yet made this change but plans to do so.

Time	Students	Offices
Internship Program in summer 2004	16	7
Internship Program in winter 2004	8	5
Internship Program in summer 2005	12	9
Internship Program in winter 2004	12	8
* Internship Program participation office in summer 2005 OCA, Baum Architects, Junglim Architecture, Atelier 17, Gansam Partners, Iroje Architects & Planners, Hanul Architects, Space Group, ,M.A.R.U		
* Internship Program participation office in winter 2005 OCA, Daul Architects, Samoo Architects & Engineers, Studio 2105, Gansam Partners, K.Y.W.C Architects, Changjo Architects, Wonyang Architects & Engineers		

Table 28 Internship Program

E6-4 Establishment of Career Management Programs

The Department advises students of career opportunities in their fourth or fifth year. Apart from the previously mentioned alumni events, the Department has established an ancillary program for recent alumni (who graduated 10~15 years ago) to meet with final year students. The expectation is that this program will be of help in a more realistic and specific way for students examining career opportunities. Students often seek a practical blueprint for their professional, social and economic status in the field from young architects of the previous generation. This interest is quite different from the students of the past generation who were much more interested in the careers of the well-known star architects. To meet the current students' demand, the Department plans to have several career days with young professionals, starting from 2nd semester of 2006.

In recent years, most undergraduate students continue onto graduate school. For the male students, graduate school is a pro-active direction because the mandatory duties of military services for every Korean male can be replaced by professional service in selective architectural firms after they receive their master's degree. Individual counseling takes into consideration the needs of each and every student, including the fulfillment of military duties for male students. The counseling sessions also discuss Professional Practice issues such as the registration of Architects in Korea and abroad.

E7 Field Trip Opportunities and Off-campus Activities

E7-1 Field Trip

- Student field trips and off-campus education is accomplished in several ways:

Each lecturer provides a variety of field trips opportunities according to the studio curriculum. Lecturers schedule field trips according to their syllabus, where the students visit exhibitions, design sites, historical sites, construction sites, and areas of urban interest.

For example in 2006 the following trips took place:

-Architectural Expression Techniques: Lock Museum (Mar. 24, 2006, The Architects 'Furniture Exhibition)

-Korean Architecture: Changduk-gung Palace (May 1, 2006)

-Architecture and Culture: Space Group Office Building at Wonsuh-dong (May 15, 2006, special lectures, conference, exhibition)

-Bachelor of Architecture Studio 1-1: Unhyun-gung Palace/Bukchon areas/Insa-dong (Apr. 15, 2006, survey of Seoul's urban architecture)

-Bachelor of Architecture Studio 1-1: Architecture Design Firm survey (May 23, 2006)

-Architectural Material Planning: SK Complex Construction site at Munrae-dong (Apr. 12 2006)

-Architectural Material Planning: Paju Book City (May 20, 2006)

E7-2 'Architectural Week'

- Since 2002, the Department of Architecture has scheduled an 'Architecture Week' after midterm examinations. Students from all of the programs leave Seoul to visit other provinces or to go overseas for architectural surveys and/or field trips. An academic adviser accompanies each group of students.

The Architecture Week schedule for year 2006 (May 1, 2006 ~ May 6, 2006)

First year students: Apr. 29 ~ Apr. 30, Gyeongju Yangdong village

Third year students: May 1 ~ May 4, Youngju, Andong, Gyeongju

Fifth year students: May 4 ~ May 6, Yongin

Graduate students: Apr. 30 ~ May 3, Junnam province

E7-3 Conferences & Lectures

To provide a variety of experiences, the Department of Architecture frequently sponsors seminars where prominent architects & scholars, either native or foreign, take part. Some events are open to students from outside the university. The Department also hosts scholarly events and conferences.

Year 2006 Lectures hosted by the Department

Samoo Architecture Forum

- ① Target audience: Faculty and students of Seoul National University, staff of Samoo Architects & Engineers, outside students, and professionals in the field.
- ② Contents: Lectures and discussions with invited architects.
- ③ Schedule: 3 times every semester, a total of 6 events.
 - Approximately 4 local architects, 1 Asian architect, and 1 Western architect.
- ④ Location: Seoul National University College of Engineering Building 39, the grand lecture room (300 seats)

Department of Architecture Lecture Series

- Woo Kyu Seung – Architecture Within Two Cultures, Mar. 8, 2005
- Lee Young Bum AIA – Minimalism, Mar. 31, 2005
- D. Prix : COOP HIMMELB(L)AU – Beyond the Blue, Oct. 7, 2005
- Tai Soo Kim (U.S.A resident architect) – Memory and Invention, Through Korean Heritage, Oct. 13, 2005
- Mario Botta – Recent Works, Nov. 8, 2005

Architecture Conferences & Seminars

- Korean Association of Architectural History monthly conference
- Planning & Theory - Architects' Work & Education : Chairman Professor Pai Hyung Min, Mar. 18 2006
- Cultural Asset Preservation & Restoration – Problems & Improvements of Cultural Asset Registration System : Chairman Professor Han Dong Soo, President Kim Jung Dong, Apr. 15 2006

- Traditional Architecture – Outcomes & Problems of Village Research:
Chairman Professor Han Pil Soo, Sep. 16. 2006

-Preservation of Residence & Historical City –Research on Royal City Gyeongju
: Chairman Professor Han Sam Gun, Oct. 21 2006

- KOVAU monthly conference: Seminar of scholars & professionals studying
Vietnam's urban architecture.



Figure 7 Mario Botta Lecture



Figure 8 KAAH monthly conference

E8 Student Activities within the Campus

The Annual Exhibition, Department of Architecture, Seoul National University

The Annual Exhibition, hosted every summer, is the largest Departmental event of the year. Since the first Exhibition in 1956, a 10th anniversary event for the University's inauguration, this Exhibition has been attended by the academy, the professional community and the general public. The exhibition features the work of all the students in the Department with an emphasis on the final thesis projects of the graduating class.

- 2005 Annual Exhibition, Department of Architecture, Seoul National University was held at the Sejong Culture Center Annex, Gwanghwamun Gallery Exhibition Hall 1 & 2, on Aug. 24 (Wed.) through Aug. 30 (Tue). Approximately 20 Thesis Projects and 100 undergraduate projects were presented.

Club Activities exclusive to the Department

1. Archiphoto [Adviser: Professor Hyuncheol Kim / Chair: Dongwook Kim, class of '03]

Archiphoto was established in 1972. The aim of the club is to record, through photography, architectural experience & expression. Since 1980 the club has mounted photography shows during the Annual Exhibition. The continuing theme is 'traditional architecture throughout the country'. A University-hosted 'Archiphoto Exhibition 2000', was also held at the University's Cultural Center. Moreover, the photographs of academic events are taken by club members.

2. Artmania [Adviser: Professor Dunam Choi/ Chair: Wonhong Min, class of '04]

Established in 1978, Artmania was founded as a fine arts club at a time when 'freehand drawing' & 'modeling' lectures were withdrawn from the official curriculum. The club now focuses on art appreciation and explores art through discussions and seminars. There have been collaborations with other art clubs that have resulted in seminars & sketching excursions, collaborative work, and exhibitions collaborative work. The club has held its own exhibitions since 1980.

3. Zip [Adviser: Professor Kwanghyun Kim / Chair: Siyang Kim, class of '03]

The group Zip was established in the late '80s. Zip publishes the monthly 'Bang (meaning 'room' in Korean)', and the annual 'Zip (house)', and recently launched the weekly 'Chang (window)'. It is also in charge of the Department's press. Through these publications Zip seeks to present architectural trends, student ideas, student council activities, and topics of student interest. The members hold seminars to discuss current topics for research.

4. ACT [Adviser: Professor Jaepil Choi / Chair Byungsik Ahn, class of '03]

ACT studies architectural expression & design through digital media, especially CAD and computer graphics. The club operates out of the Department established CAD Center. ACT has hosted open CAD lectures for students, has presented work in the Architectural Exhibition period, and has participated in various competitions.

Club Activities by the University

Students in the Department also take part in clubs that belong to the SNU Club Union. There are 71 clubs available in a multitude of disciplines: liberal arts, religion, theatrical arts, society, martial arts, and media. The list is as follows:

- Academy: Classic Studies, Pulse, Urinumki, Unified Sciences, Prometheus, Korean Social Research, Hanbut Philosophic Studies, Houhoe

- Liberal Arts: Goinari, Nodutdol, Mongwhan, Baduk Club, Calligraphy, Bird Watching, Visual Arts, AAA, AIESEC, EHSA, FIESTA, HAM, HOBAS, ISA, JIVE, SCSC

- Religion: Navigator Missionaries, Milal Missionaries, SNU Daewon Buddhist Council, SNY Catholic Council, Ascetic Buddhist Council, Jeungsando Council, Buddhist Council, Korean YMCA, Hansarang Missionaries, CAM, CBA, CCC, SCA, SFC, UBF, YWAM

- Performing Arts: Golpae, Madangpae Tal, Echo, Morphine, Soundream, Yuminrak, Total Theatrical Council, Chuimsae, Hansawi, Mixed Voices Choir, Hwahyunhoi, HIS, SNUPO

- Society: Nyurumjigi, Saemteulsarang, Sonmalsarang, Sial, Quis, Hanultari, KUSA, SAFE

- Martial Arts: Gichun, Tong Martial Arts Studies, Taegukgwon Studies, Taekkyun Studies

- Media: Geurimtuh, Broadcasting Studies, Yalahshung, Total Literature Studies, Pilhwa

Clubs Administered by the College of Engineering

The College of Engineering has several clubs where the students take an active role. The clubs are as follows:

- National pilgrimage club, Saecham, Singers club, Danpung, Baseball club, Basketball club, Soccer club, Mountain climbing club, Pungmul club, Norimodum, Environmental club, Purunsora, Computer graphics club, Comgra, Tennis club, Enimyu

Students in the Department are usually engaged in more than 1 of the above clubs, and some actively participate in the following clubs: the Mixed Voices Choir, Yuminrak (traditional music), SNUPO (orchestra), Catholic Council, Hwahyunhoi (classic guitars), Danpung (singing), Morphine (jazz dancing), and Comgra (digital media). Most of these clubs are in the performing arts, and reflect student interest in the arts.

Some students act in an exhibition program of 'Student Mentoring' where they teach and guide students.

E9 The Total Capacity and Number of Registered Students, Transfer Students, Admitted Students, and Visiting Students for Each Year (Semester)

The following Table shows the breakdown of the number of students who completed each course in the fall 2005 semester. In the architectural Design Studios, there were no more than 13 students per class.

In lecture courses, optional major courses can hold up to 10 students. Also, students from other departments often take the 1st year course ‘Architectural Space and Form (4012.104)’ and the 2nd year course ‘History of Architecture 1(4012.204)’. Many students retake the 1st year course ‘Architectural Space and Form (4012.104)’, the 2nd year course ‘History of Architecture 1(4012.204)’, and the 3rd year course ‘Architecture and Society (4012.304)’ because of a low grade. Usually, students retake a course in order to improve their grade.

The courses that students of the old 4-year program, or students taking courses later than other students in their class, take the most often are the 1st year course ‘Architectural Space and Form(4012.104)’, the 3rd year course ‘Architecture and Society(4012.304)’, and the 4th year courses ‘Urban Space Design(4012.424)’, ‘Asian Architecture and the City(4012.530)’,and ‘Landscape Design(4012.424)’.

Course Number	Course Title	Year	Instructor	No. of Enrolled Students	Composition of Enrolled Students			
					No. of Grades	No. of Students Retaking Course	No. of Students from Other Majors	Other Students(Students from Other Grades, Students of the Old Curriculum, etc.)
4012.102	Architectural Design Studio1-2	1Year	SeungHoy KIm	11	8	0	1	2

Course Number	Course Title	Year	Instructor	No. of Enrolled Students	Composition of Enrolled Students			
					No. of Grades	No. of Students Retaking Course	No. of Students from Other Majors	Other Students(Students from Other Grades, Students of the Old Curriculum, etc.)
4012.102	Architectural Design Studio1-2	1Year	Mina Lee	11	10	0	1	0
4012.102	Architectural Design Studio1-2	1Year	Junggoo Cho	9	5	1	1	2
4012.104	Architectural Space and Form	1Year	Kwanghyun Kim	46	23	8	9	6
4012.111	Architectural Structure1	1Year	Sunggul Hong	27	23	3	1	0
4012.202	Architectural Design Studio2-2	2Year	Dunam Choi	13	9	0	0	4
4012.202	Architectural Design Studio2-2	2Year	Moonsung Kwon	12	11	0	0	1
4012.202	Architectural Design Studio2-2	2Year	Chungkee Lee	8	7	0	0	1
4012.204	History of Architecture 1	2Year	Hyungmin Pai	52	29	16	7	0
4012.212	Statics	2Year	Cheolho Lee	38	29	5	4	0
4012.302	Architectural Design Studio3-2	3Year	Hyuncheol Kim	10	10	0	0	0
4012.302	Architectural Design Studio3-2	3Year	Donghee Oh	8	8	0	0	0
4012.302	Architectural Design Studio3-2	3Year	Hyunguk Lee	9	7	0	0	2
4012.304	Architecture and Society	3Year	Jeapil Choi	43	22	7	4	10
4012.312	Environmental Technology	3Year	Myoungsok Yeo	29	22	3	4	0
4012.314	Construction Technology	3Year	Bosik Son	23	22	0	0	1
4012.402	Architectural Design Studio4-2	4Year	Kwanghyun Kim	8	8	0	0	0
4012.402	Architectural Design Studio4-2	4Year	Sungkwan Lee	8	6	0	0	2
4012.402	Architectural Design Studio4-2	4Year	Jaeeun Ryu	7	5	0	0	2

Course Number	Course Title	Year	Instructor	No. of Enrolled Students	Composition of Enrolled Students			
					No. of Grades	No. of Students Retaking Course	No. of Students from Other Majors	Other Students(Students from Other Grades, Students of the Old Curriculum, etc.)
4012.404	Sustainable Architecture	4Year	Byeongho Lee	21	19	0	0	2
4012.422	Architecture and Urban Design	4Year	Gunhyuk Ahn	13	2	0	0	11
4012.424	Architecture and Landscape	4Year	Wookju Jung	8	2	0	0	6
4012.524	Interior Design	4Year	Hyuncheol Kim	9	6	0	2	1
4012.53	Asian Architecture and Urbanism	4Year	Bonghee Jeon	20	7	0	4	9
4012.531	Activity and Space	4Year	Imsik Cho	5	4	0	0	1

Table 29 Course Information (Fall 2005)

Seoul National University requires students to decide their course selection (usually after consulting their faculty advisor) and to register online. Students have a drop/add period within an allotted period of time. After consulting with their faculty advisor, they must fill out the "Course Drop Sheet" and submit it to their Department office. Because of these options, students are somewhat free to change their schedules.

In the case of courses within the Department of Architecture, the number of students in technology-related courses has increased, and most of these students are part of the old 4-year program.

Course Number	Course Title	Year	Instructor	Changes in Enrolled Students	No. of Students to Complete Course	Student Grades Distribution				
						A	B	C	D	F
4012.102	Architectural Design Studio1-2	1Year	SeungHoy KIm	-1	10	4	5	1	0	0
4012.102	Architectural Design Studio1-2	1Year	Mina Lee	-1	10	5	5	0	0	0
4012.102	Architectural Design Studio1-2	1Year	Junggoo Cho	-1	8	3	4	1	0	0
4012.104	Architectural Space and Form	1Year	Kwanghyun Kim	0	46	10	16	18	0	2
4012.111	Architectural Structure1	1Year	Sunggul Hong	7	33	12	11	7	2	1
4012.202	Architectural Design Studio2-2	2Year	Dunam Choi	0	13	10	3	0	0	0
4012.202	Architectural Design Studio2-2	2Year	Moonsung Kwon	0	12	10	2	0	0	0
4012.202	Architectural Design Studio2-2	2Year	Chungkee Lee	0	8	6	2	0	0	0
4012.204	History of Architecture 1	2Year	Hyungmin Pai	9	61	21	28	9	1	2
4012.212	Statics	2Year	Cheolho Lee	19	59	16	25	18	0	0
4012.302	Architectural Design Studio3-2	3Year	Hyuncheol Kim	0	10	6	4	0	0	0
4012.302	Architectural Design Studio3-2	3Year	Donghee Oh	0	8	4	4	0	0	0
4012.302	Architectural Design Studio3-2	3Year	Hyunguk Lee	0	9	4	5	0	0	0
4012.304	Architecture and Society	3Year	Jeapil Choi	0	43	32	8	2	0	1
4012.312	Environmental Technology	3Year	Myoungsok Yeo	2	31	8	11	11	0	1
4012.314	Construction Technology	3Year	Bosik Son	2	25	12	13	0	0	0
4012.402	Architectural Design Studio4-2	4Year	Kwanghyun Kim	0	8	7	0	0	1	0
4012.402	Architectural Design Studio4-2	4Year	Sungkwan Lee	0	8	7	1	0	0	0
4012.402	Architectural Design Studio4-2	4Year	Jaeun Ryu	0	7	2	3	1	1	0
4012.404	Sustainable Architecture	4Year	Byeongho Lee	0	21	17	4	0	0	0

Course Number	Course Title	Year	Instructor	Changes in Enrolled Students	No. of Students to Complete Course	Student Grades Distribution				
						A	B	C	D	F
4012.422	Architecture and Urban Design	4Year	Gunhyuk Ahn	0	13	5	7	1	0	0
4012.424	Architecture and Landscape	4Year	Wookju Jung	0	8	2	4	1	0	1
4012.524	Interior Design	4Year	Hyuncheol Kim	0	9	5	3	1	0	0
4012.53	Asian Architecture and Urbanism	4Year	Bonghee Jeon	0	20	8	8	4	0	0
4012.531	Activity and Space	4Year	Imsik Cho	0	5	5	0	0	0	0

Table 30 Student Grades Distribution

In analyzing course characteristics through grade distribution, a grade point average of 2.75(C+) means that the students' performance did not live up to the professor's expectations. The grade point average for students in the 5-year program students can be found in the above Table. The department has decided to re-structure the contents of the following courses: the 1st year course 'Architectural Space and Form(4012.104)', the 3rd year course 'Environment Technology(4012.312)', and the 4th year courses 'Urban Space Design(4012.422)' and 'Landscape Design(4012.424)'.

For the courses that cover similar topics, a stronger coordination effort is underway to enhance the synergic effects between them.

Course Number	Course Title	Year	Instructor	No. of Enrolled Students	Grade Distribution				
					Course Grade	Average Grade for Specific Year	Average Grade for Students Retaking Course	Average Grade for Students from Other Majors	Etc.
4012.102	Architectural Design Studio1-2	1Year	SeungHoy KIm	11	3.4	3.5	0	4	3.2

Course Number	Course Title	Year	Instructor	No. of Enrolled Students	Grade Distribution				
					Course Grade	Average Grade for Specific Year	Average Grade for Students Retaking Course	Average Grade for Students from Other Majors	Etc.
4012.102	Architectural Design Studio1-2	1Year	Mina Lee	11	3.6	3.6	0	0	0
4012.102	Architectural Design Studio1-2	1Year	Junggoo Cho	9	3.5	3.8	2.3	3.3	3
4012.104	Architectural Space and Form	1Year	Kwanghyun Kim	46	2.7	2.6	2.4	3.1	3
4012.111	Architectural Structure1	1Year	Sunggul Hong	34	2.8	2.9	2.7	1.3	4.3
4012.202	Architectural Design Studio2-2	2Year	Dunam Choi	13	3.7	3.6	0	0	4
4012.202	Architectural Design Studio2-2	2Year	Moonsung Kwon	12	3.8	4.1	0	0	4
4012.202	Architectural Design Studio2-2	2Year	Chungkee Lee	8	3.8	3.7	0	0	4
4012.204	History of Architecture 1	2Year	Hyungmin Pai	61	3.1	2.9	3.3	3.3	0
4012.212	Statics	2Year	Cheolho Lee	61	3.2	3	2.5	3.4	3.9
4012.302	Architectural Design Studio3-2	3Year	Hyuncheol Kim	10	3.7	3.7	0	0	0
4012.302	Architectural Design Studio3-2	3Year	Donghee Oh	8	3.6	3.6	0	0	0
4012.302	Architectural Design Studio3-2	3Year	Hyunguk Lee	9	3.5	3.4	0	0	3.7
4012.304	Architecture and Society	3Year	Jeapil Choi	43	3.6	3.5	4	3.2	3.7
4012.312	Environmental Technology	3Year	Myoungsouk Yeo	33	2.5	2.6	2.9	2.2	2.5
4012.314	Construction Technology	3Year	Bosik Son	25	3.5	3.5	0	0	4
4012.402	Architectural Design Studio4-2	4Year	Kwanghyun Kim	8	3.6	3.6	0	0	0
4012.402	Architectural Design Studio4-2	4Year	Sungkwan Lee	8	3.9	4	0	0	3.5

Course Number	Course Title	Year	Instructor	No. of Enrolled Students	Grade Distribution				
					Course Grade	Average Grade for Specific Year	Average Grade for Students Retaking Course	Average Grade for Students from Other Majors	Etc.
4012.402	Architectural Design Studio4-2	4Year	Jae Eun Ryu	7	2.9	2.8	0	0	3
4012.404	Sustainable Architecture	4Year	Byeongho Lee	21	3.8	3.8	0	0	4.3
4012.422	Architecture and Urban Design	4Year	Gunhyuk Ahn	13	3.4	2.7	0	0	3.5
4012.424	Architecture and Landscape	4Year	Wookju Jung	8	2.1	2	0	0	2.3
4012.524	Interior Design	4Year	Hyuncheol Kim	9	3.5	4	0	3	2.2
4012.53	Asian Architecture and Urbanism	4Year	Bonghee Jeon	20	3.1	3.6	0	2.2	3.2
4012.531	Activity and Space	4Year	Imsik Cho	5	4	4	0	0	4

Table 31 Average Grade Distribution

F Human Resources

F1 Summary

1. Students

The Department of Architecture at Seoul National University offers students a 5-year Bachelor of Architecture Program. Students are admitted through an independent selection process in the Department of Architecture, within the College of Engineering admission system. Architectural Engineering students and students enrolled in other colleges in Seoul National University can be admitted to the 5 year professional program by using the transfer system after 6 semesters of enrollment in the university or through special admission after graduation.

Students can take the program as a second major or minor. However, completing two degree programs does not always qualify as completing the 5-year Bachelor of Architecture Program. 32 students had been selected for our first 5-year program beginning in March 2002. Currently, there are 288 undergraduate students in the Department. There are 139 students in the 5-year Bachelor of Architecture Program, 91 students in The Bachelor of Science in Architectural Engineering Program, and 58 students enrolled in the previous 4 year program. There are 146 graduate students including 81 Bachelor of Architecture Program students and 65 Bachelor of Science in Architectural Engineering students. There are 34 students in the Ph. D program. There are currently 408 students enrolled in the Department. A total of all of the graduate degrees earned through the years is as follows: 2,567 Bachelor of Science in Architectural Engineering degrees, 905 Master of Engineering in Architecture degrees and 203 Ph. D in Architecture degrees.

2. Faculty

The full-time faculty of the Bachelor of Architecture Program in the Department of Architecture consists of full-time professors, assistant professors, associate professors, full-time instructors, part-time instructors and full-time assistant instructors. Currently there are 16 full-time professors, 9 in the Bachelor of Architecture Program and 7 in the Bachelor of Science in Architectural Engineering Program. There are 3 paid assistant instructors. The faculty in the Bachelor of Architecture Program consists of 4 full-time professors, 3 assistant professors, 2 associate professors and 2 assistants. Faculty above the full-time instructor level is obliged to take reappointment screenings regularly. In some cases faculty above the assistant professor level can be guaranteed employment up to retirement age through examination (the tenure system). Full time assistant instructors are appointed on 1 year contracts, and can teach up to 3-unit courses while taking care of administrative duties.

Part-time lecturers are invited to teach special courses and studios. In the first semester of 2006, 18 outside lecturers taught in studio and lecture courses in the Bachelor of Architecture Program. The Department is planning to extend invitations to pure research professors in order to lighten the teaching load of full-time professors and to substantially improve the quality of research conducted in the Department. In addition, 9 teaching assistants are selected from the graduate and Ph. D students to assist in studio and lecture courses

3. Technical, Administrative and Supporting Staff

The Department of Architecture has 1 Administrative Staff, 1 Office Employee and 1 librarian as full-time administrative staff. They are assisted by 3 assistant instructors. 16 teaching assistants assist in school administrative duties as well as educational and research duties. 6 scholarship students work in school management and education in the library, print room, and offices.

F2 Student Enrollment in the Design Studios

Bachelor of Architecture Studios are the core of the 5-year Program. In the former program, a Design Studio had been a 3-credit per semester course; an elective course for students after 6 semesters in the program. In the new 5-year program the Design Studio has expanded to a 5-credit course every semester. Students are required to finish a total of 50 credits in 10 studio courses over five years.

The Bachelor of Architecture Studio is a 5-credit course which has two 5-hour sessions each week. The first and second year studios are the core program in which all students study the same curriculum. Third and fourth year students take elective studios which enable them to pursue their individual interests. Studios, during the first to fourth year, are each divided into 3 sections. The fifth year Thesis Studio is a full year program that requires students to research, design, organize and complete an overall project. A full-time professor is appointed to each one of these fifth year studios. In the first semester of 2006, 6 full-time professors have been appointed to 6 fifth year graduation project studios.

Statistics on student enrollment in the Design Studios in the second semester of 2005, and the first semester of 2006 is shown in the following Table.

Year / Semester	Course code	Course title	Class	No, of Student				Average no. of Students
				B.Arch. Program	B.S. Program	Others	Total	
2005 / 2nd Semester	4,912,102	Design Studio 1-2	A	10	-	1	11	10
			B	10	-	-	10	
			C	8	-	1	9	
			Sub-Total	28	-	2	30	
	4012.202	Design Studio 2-2	A	11	1	1	13	11
			B	11	-	1	12	
			C	8	-	-	8	
			Sub-Total	30	1	2	33	
	4012.302	Design Studio 3-2	A	5	1	1	7	9
			B	12	-	-	12	
			C	7	-	1	8	
			Sub-Total	24	1	2	27	
	4012.402	Design Studio 4-2	A	8	-	-	8	7.7
			B	6	-	2	8	
			C	5	-	2	7	
			Sub-Total	19	-	4	23	
	4012.502	Design Studio 5-2	A	-	-	-	-	-
			B	-	-	-	-	
			C	-	-	-	-	
			D	-	-	-	-	
			E	-	-	-	-	
F			-	-	-	-		
Sub-Total			-	-	-	-		
Total				101	2	10	113	9.4

Table 32 Design Studio 2005, 2nd Semester

Year / Semester	Course code	Course title	Class	No. of Student				Average no. of students
				B.Arch. Program	B.S. Program	Others	Total	
2006 / 1st Semester	4012.101	Design Studio 1-1	A	11	-	1	12	12
			B	10	-	2	12	
			C	11	-	1	12	
			Sub-Total	32	-	4	36	
	4012.201	Design Studio 2-1	A	10	-	-	10	9.7
			B	10	-	-	10	
			C	7	-	2	9	
			Sub-Total	27	-	2	29	
	4012.301	Design Studio 3-1	A	10	-	-	10	10
			B	10	-	-	10	
			C	8	2	-	10	
			Sub-Total	28	2	-	30	
	4012.401	Design Studio 4-1	A	7	1	-	8	8
			B	8	-	-	8	
			C	5	1	2	8	
			Sub-Total	20	2	2	24	
	4012.501	Design Studio 5-1	A	2	2	-	4	4.7
			B	7	-	-	7	
			C	2	-	-	2	
			D	2	1	-	3	
			E	7	-	-	7	
			F	3	2	-	5	
			Sub-Total	23	5	-	28	
Total				130	9	8	147	8.2

Table 33 Design Studio 2006, 1st Semester

As shown above, 113 students have taken the Bachelor of Architecture Studios in the second semester of 2005. 147 students have taken the studios in the first semester of 2006. Each studio course has been divided into three studio sections, A, B, and C. The average number of students in each section in the second

semester of 2005 is 9.4. The average number of students in the first semester of 2006 is 8.2. In the second semester of 2005, each of the Design Studio courses 1-2, 2-2, 3-2, 4-2 has been split into three studio sections, each with 10, 11, 9, and 7.7 students. Similarly, in the first semester of 2006, each of the Design Studio courses 1-1, 2-1, 3-1, 4-1 has been divided into three studio sections while the graduation design course 5-1 has been divided into six, making a total of 18 studios.

The average number of students per studio is 12.0 for 1-1, 9.7 for 2-1, 10.0 for 3-1, and 8 for 4-1. The Thesis Studios have been split into six studio sections, with an average of 4.7 students per section. It should be noted that the Thesis Studios, 5-1 have a significantly lower number of students in each studio. Full-time Bachelor of Architecture professors teach these studios in order to enhance the quality of thesis projects.

A total of 260 students took Bachelor of Architecture Studios in the second semester of 2005 and in the first semester of 2006. These courses have been arranged into 30 studios with an average 8.7 students per studio. Each year's studio course has been split into sections in order to lower the number of students in each studio. Outside lecturers have been appointed to provide students with more diverse educational opportunities.

F3 Preparation Time for Design Studios

The Bachelor of Architecture Studios are organized around the concept of individual design critiques between tutors and students.

The following is a summary of a survey on the average time devoted to Design Studio courses and the credit distribution for students who have taken Bachelor of Architecture Studios in the second semester of 2005. Out of the 101 students enrolled in the 5-year program, 66 students participated in the survey. 15 students from studio 1-2, 14 students from 2-2, 18 students from 3-2, and 19 students from 4-2 answered the survey.

Studio Name	Grade	Time Groupings										Total	Total Ratio
		Less than 1 Hours		1-2Hours		2-3 Hours		3-5 Hours		More than 5 Hours			
		No. of Students	Ratio (%)	No. of Students	Ratio (%)	No. of Students	Ratio (%)	No. of Students	Ratio (%)	No. of Students	Ratio (%)		
Studio 1-2	A	.	.	1	6.7	3	20	2	13	3	20	9	60
	B	.	.	1	6.7	.	.	1	6.7	3	20	5	33.3
	C	.	.	.	.	1	6.7	.	.	.	.	1	6.7
	D Below	.	.	.	.	.	.	.	.	.	.	.	.
	Sub-Total	.	.	2	13.0	4	26.7	3	20	6	40	15	100
Studio 2-2	A	.	.	.	.	3	21.4	5	35.7	2	14.3	10	71.4
	B	.	.	.	.	.	.	4	28.6	.	.	4	28.6
	C	.	.	.	.	.	.	.	.	.	.	.	.
	D Below	.	.	.	.	.	.	.	.	.	.	.	.
	Sub-Total	.	.	.	.	3	21.4	9	64.3	2	14.3	14	100
Studio 3-2	A	.	.	.	.	2	11.1	4	22.2	5	27.8	11	61.1
	B	.	.	1	5.6	.	.	2	11.1	4	22.2	7	38.9

Studio Name	Grade	Time Groupings										Total	Total Ratio
		Less than 1 Hours		1-2Hours		2-3 Hours		3-5 Hours		More than 5 Hours			
		No. of Students	Ratio (%)	No. of Students	Ratio (%)	No. of Students	Ratio (%)	No. of Students	Ratio (%)	No. of Students	Ratio (%)		
	C	.	.	.	.	.	.	.	.	.	.	.	.
	D Below	.	.	.	.	.	.	.	.	.	.	.	.
	Sub-Total	.	.	1	5.6	2	11.1	6	33.3	9	50	18	100
Studio 4-2	A	.	.	2	10.5	3	15.8	6	31.6	4	21.1	15	79.0
	B	.	.	.	.	.	.	1	5.3	.	.	1	5.3
	C	.	.	.	.	.	.	1	5.3	.	.	1	5.3
	D Below	.	.	.	.	1	5.3	1	5.3	.	.	2	10.6
	Sub-Total	.	.	2	10.5	4	21.1	9	47.4	4	21.1	19	100
Total		.	.	5	7.6	13	19.7	27	40.9	21	31.8	66	100

Table 34 Daily Preparation Time for Design Studios, 2005

An analysis of the results shows that each group of the 6 and 9 students has devoted more than 5 hours a day on the preparation for the studio courses 1-2 and 3-2, each showing a high percentage: 40% and 50% . Among these students, 3-20% and 5-27.8% students earned A's in each course. In studio courses 2-2 and 4-2, 9 students replied that they devoted 3 to 5 hours a day to course preparation: highest percentage of 64.3% and 47.4% respectively. Among these students 5-35.7% and 6-31.6% students earned A's. Out of the 66 participants in the survey, the highest percentage of 40.9% was shown by 27 students replying that they devoted 3 to 5 hours a day for course preparation.

Studio Name	Credits	Time Groupings										Total	Total Ratio
		Less than 3Hours		3-5 Hours		5-7 Hours		7-10 Hours		10 Hours			
		No. of Students	Ratio (%)	No. of Students	Ratio (%)	No. of Students	Ratio (%)	No. of Students	Ratio (%)	No. of Students	Ratio (%)		
Studio 1-2	A	.	.	.	.	1	6.7	.	.	8	53.3	9	60
	B	.	.	.	.	.	.	.	.	5	33.3	5	33.3
	C	.	.	.	.	.	.	1	6.7	.	.	1	6.7
	D below	.	.	.	.	.	.	.	.	.	.	.	.
	Sub-total	.	.	.	.	1	6.7	1	6.7	13	86.6	15	100
Studio 2-2	A	.	.	.	.	.	.	2	14.3	8	57.1	10	71.4
	B	.	.	.	.	.	.	.	.	4	28.6	4	28.6
	C	.	.	.	.	.	.	.	.	.	.	.	.
	D below	.	.	.	.	.	.	.	.	.	.	.	.
	Sub-total	.	.	.	.	.	.	2	14.3	12	85.7	14	100
Studio 3-2	A	.	.	.	.	.	.	1	5.6	10	55.6	11	61.1
	B	.	.	.	.	2	11.1	.	.	5	27.8	7	38.9
	C	.	.	.	.	.	.	.	.	.	.	.	.
	D below	.	.	.	.	.	.	.	.	.	.	.	.
	Sub-total	.	.	.	.	2	11.1	1	5.6	15	83.3	18	100
Studio 4-2	A	.	.	.	.	.	.	2	10.5	13	68.4	15	78.9
	B	.	.	.	.	.	.	.	.	1	5.3	1	5.3
	C	.	.	.	.	.	.	.	.	1	5.3	1	5.3
	D below	.	.	.	.	.	.	1	5.3	1	5.3	2	10.5
	Sub-total	.	.	.	.	.	.	3	15.8	16	84.2	19	100
Total	.	.	.	.	3	4.6	7	4.6	56	84.9	66	100	

Table 35 Weekly Preparation Time for Design Studios, 2005

An analysis on the average time used and credits earned by the Bachelor of Architecture Studio students in the second semester 2005 shows that among the students in studio courses 1-2, 2-2, 3-2, and 4-2, the percentages of students who

devoted more than 10 hours a week were the highest with 13, 12, 15, and 16 students and 86.6%, 85.7%, 83.3%, and 84.2% respectively. Among these students 8-53.3%, 8-57.1%, 10-55.6%, and 13-68.4% students have received A's. Of the 66 participants from the first year to fourth year studios, the highest percentage of 84.0% or 56 students have answered that they devote more than 10 hours a week for studio course preparation.

When asked about the amount of the time devoted for course preparation, 29 students out of 63 answered 'appropriate'.

Studio	No. of answering Students					Total
	Much lacking	lacking	appropriate	sufficient	Much sufficient	
Design Studio 1-2	·	4	5	4	2	15
Design Studio 2-2	1	6	4	2	·	13
Design Studio 3-2	1	3	8	5	·	17
Design Studio 4-2	·	5	12	1	·	18
Total	2	18	29	12	2	63

Table 36 Survey of Preparation Time for Design Studios, 2005

The following is a summary of student responses on course preparation. As shown in the Table below, 40 out of the 67 participants in the survey from the second semester of the 2005 Bachelor of Architecture Studio responded. The students work primarily in the school studio rooms. Most prefer to work in the school studios because of the open space, clean conditions, accessibility, and the active communication with other students that the studio encourages. 18 students replied that they worked at home because the studios lacked showers and sleeping space. More female students than male students replied that they worked at home. These issues should be considered in future facility improvements

category	No. of Students at the Working places					Total
	School	Individual Studio	Group Studio	Home	Etc.	
Design Studio 1-2	15	.	.	.	.	15
Design Studio 2-2	9	.	.	7	.	16
Design Studio 3-2	6	3	2	6	.	17
Design Studio 4-2	10	.	4	5	.	19
Total	40	3	6	18	.	67

Table 37 Design Studio Usage, 2005 2nd Semester

Reasons of using studios inside department building	No. of Student
Offering large space	27
Mobility	16
Frequent communications with other students	14
Economical reason	8
Etc.	1

Table 38 Survey of Design Studio Usage, 2005 2nd Semester

F4 Tutorial Time and Credit Hours in Design Studios

The Bachelor of Architecture Studios are split into smaller sections in order to insure that each student has more than 40 minutes per week with their tutor. Currently, the first through fourth year studio courses have 26-32 students each, and are divided into 3 studios respectively. The fifth year course is a graduation project studio, where all Bachelor of Architecture professors instruct one of 9 two-semester studios made up of 2-5 students.

The Table below shows the student/instructor tutorial times on a weekly basis of the students who have taken Bachelor of Architecture Studios in 2005.

As shown in the analysis, the average student/instructor tutorial time per person per week is 66.6 minutes, which exceeds the goal of 40 minutes. The fourth year course 4-2 has split 23 students into three studios, providing the highest ration of 78.6 minutes per student per week. The second year course 2-2 has split 33 students into three studios providing the least 57.6 minutes per student per week. The third year course and first year course with each 27 and 30 students respectively, gave 70.2 minutes and 60.4 minutes of tutorial time per student per week. The least student/instructor tutorial time still provides one hour of tutorial time per week per student.

The statistics of 2006 show that the minimum standard recommended by the KAAB (Korean Architectural Accrediting Board) are satisfied. The average student/instructor tutorial time per week has been 80.8 minutes per student in the Bachelor of Architecture Studios. The fifth year course 5-1 had 28 students split into 6 studios providing the most time, 156.9 minutes, of tutorial time per week per student. The first year course 1-1 had 36 students split into three studio sections

providing the least amount of tutorial time, 50.0 minutes, to each student. The second, third, and fourth year courses with each 29, 30 and 24 students gave 62.2, 60.0, 75.0 minutes of tutorial time respectively for each student per week. The first year course 1-1 shows a shorter student/instructor tutorial time of 50.0 minutes because the number of students has increased due to the enrollment of transfer or second major students. Also, the average student/instructor tutorial time has increased from 66.6 minutes in the second semester of 2005 to 80.8 minutes in the first semester of 2006. This increase is due to the fifth year studio course. This course has been split into 6 studio sections with 2-7 students each. A tutorial time of 156.9 minutes per week is the average, thereby increasing the overall average rate. These statistics show that adequate tutorial time is being provided in accordance with the objectives of the graduation project studio. The additional tutorial time (and one exclusive tutor per student) encourages students to research architectural and urban topics in depth and to demonstrate them theoretically while applying innovative design and technical solutions. The one-year tutorial system for the fifth year Design Studios is designed to encourage intensive investigation on design topics which leads to the production of a graduation thesis and a graduation design project.

Overall, as shown in the table below, the average tutorial time per student per week has been 82.7 minutes for Design Studio courses in the second semester of 2005 and the first semester of 2006.

Contents	Semester	Distribution					Average time
		1Year	2Year	3Year	4Year	5Year	
Student / Tutor ratio (critique time per week of each student)	2005-2	Studio 1-2	Studio 2-2	Studio 3-2	Studio 4-2	Studio 5-2	66.6 min
		60.4 min	57.1 min	70.2 min	78.6 min	-	
	2006-1	Studio 1-1	Studio 2-1	Studio 3-1	Studio 4-1	Studio 5-1	80.8 min
		50.0 min	62.2 min	60.0 min	75.0 min	156.9 min	
Average		55.2 min	59.7 min	65.1 min	76.8 min	156.9 min	82.7 min

Table 39 Student/Tutor Critique Time Ratio Distribution, 2005 2nd and 2006 1st Semester

Year/ Semester	Category	1Year				2Year				3Year				4Year				5Year		Total / Average		
		Course title		Credits		Course title		Credits		Course title		Credits		Course title		Credits		Course title	Credits			
2005 /Fall	Studio	Studio 1-2				Studio 2-2				Studio 3-2				Studio 4-2				Studio 5-2				
	Class	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	Total	-				12
	Students	11	10	9	30	13	12	8	33	7	12	8	27	8	8	7	23	-				113
	Tutors	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	-				12
	Student / Tutor ratio	11	10	9	10	13	12	8	11	7	12	8	9	8	8	7	7.7	-				9.4
	Critique Hours	10	10	10	30	10	10	10	30	10	10	10	30	10	10	10	30	-				120
	critique time per week of each student	54.6	60	66.7	181.3	46.2	50	75	171.2	85.7	50	75	210.7	75	75	85.7	235.7	-				798.9
Ave. critique time	60.4 min				57.1 min				70.2 min				78.6 min				-		66.6min			

Table 40 Student/Tutor Critique Time Ratio Distribution for 1 Week, 2005 2nd Semester

Year/ Semester	Category	1Year				2 Year				3 Year				4 Year				5 Year						Total / Average					
		Course title		Credits		Course title		Credits		Course title		Credits		Course title		Credits		Course title				Credits							
2006 / Spring	Studio	Studio 1-1				Studio 2-1				Studio 3-1				Studio 4-1				Studio 5-1											
	Class	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	Total	A	B	C	D	E	F	Total	18
	Student	12	12	12	36	10	10	9	29	10	10	10	30	8	8	8	24	4	7	2	3	7	5	28	28	147			
	Tutor	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	3	1	1	1	1	1	1	1	1	1	1	6	18
	Student / Tutor ratio	12	12	12	12	10	10	9	9.7	10	10	10	10	8	8	8	8	4	7	2	3	7	5	4.7	4.7	8.9			
	Critique Hours	10	10	10	30	10	10	10	30	10	10	10	30	10	10	10	30	10	10	10	10	10	10	10	10	10	10	60	180
	critique time per week of each student	50	50	50	150	60	60	66.7	186.7	60	60	m60	180	75	75	75	225	150	85.7	300	200	85.7	120	941.4	1683.1				
Ave. critique time	50.0 min				62.2 min				60.0 min				75.0 min				156.9 min						80.8min						

Table 41 Student/Tutor Critique Time Ratio Distribution for 1 Week, 2006 1st Semester

F5 Teaching Load

The goal for the additional appointment plan of full-time professors in 2006 was set to create a ratio of 21 undergraduate and graduate students per professor. This could not be fully achieved given the limits imposed by the Ministry of Education and Human Resources Development on a National University. However, 9 full-time professors are now appointed to the Bachelor of Architecture Program while student admission has been reduced to a total of 56 students, 26 undergraduate and 30 graduate students plus Ph. D students in 2006. While the admission numbers may change slightly in the future, in five years approximately $26 * 5 = 130$ undergraduates and 60 graduates will make a total of about 190 students. Since there are 9 full-time Bachelor of Architecture professors, the student/professor ratio will be about 22 students per professor which will make it close to the original goal.

The Bachelor of Architecture Program invites outstanding part-time instructors, who are currently practicing architects, to enhance the architectural education. Currently, by June 2006, there are 18 outside part-time instructors, approximately 1.7 times the number of full-time professors. Therefore, when added together with the full-time professors, there are 27 instructors teaching 216 students. These instructors teach in areas which overlap with other majors and they are providing a wider educational curriculum to the students.

The major courses assigned to full-time professors in the Course in the second semester of 2005 and in the first semester of 2006 are as shown below.

Year	2005 2nd Semester				2006 1st Semester			
	Course title	Credits	Lecture time	instructor	Course title	Credits	Lecture time	instructor
1 Year	Architectural Space and Form	3	3	Kwanghyun Kim	Architectural Presentation Technique	3	6	Bonghee Jeon
					Architectural Presentation Technique	3	6	Dunam Choi
	Architectural Design Studio 1-2	5	10	SeungHoy Kim	Architectural Design Studio1-1	5	10	SeungHoy Kim
Sub- Total	2	8	16	-	3	11	22	-
2 Year	Architectural Design Studio2-2	5	10	Dunam Choi	Architectural Design Studio2-1	5	10	Dunam Choi
Sub- Total	1	5	10	-	1	5	10	-
3 Year	Architecture and Society	3	3	Jeapil Choi	Building Materials	3	3	SeungHoy Kim
	Architectural Design Studio3-2	5	10	Hyuncheol Kim	Architectural Design Studio3-1	5	10	Hyuncheol Kim
Sub- Total	3	11	16	-	2	8	13	-
4 Year	Interior Design	3	3	Hyuncheol Kim	Korean Architecture	3	3	Bonghee Jeon
	Asian Architecture and Urbanism	3	3	Bonghee Jeon	Architectural Design Studio4-1	5	10	Kwanghyun Kim
	Architectural Design Studio4-2	5	10	Kwanghyun Kim	Architecture and Urban Design	3	3	Sohyun Park
	The City Cultures and Urban Conservation	3	3	Sohyun Park				
Sub- Total	4	14	19	-	3	11	16	-
5 Year	-	-	-	-	Theory of Architecture	3	3	Kwanghyun Kim
	-	-	-	-	Architectural Design Studio5-1	5	10	JinKyoon Kim
	-	-	-	-	Architectural Design Studio5-1	5	10	Kwanghyun Kim
	-	-	-	-	Architectural Design Studio5-1	5	10	Hyuncheol Kim
	-	-	-	-	Architectural Design Studio5-1	5	10	Dunam Choi
	-	-	-	-	Architectural Design Studio5-1	5	10	SeungHoy Kim
	-	-	-	-	Architectural Design Studio5-1	5	10	Sohyun Park
Sub- Total	-	-	-	-	7	33	63	-
Total	10	38	61	-	16	68	124	-

Table 42 Courses for B.Arch. Program

As seen above, students take an average of five core courses each year
The teaching load for full-time and part-time professors is as shown below

Full-time FACULTY	Faculty Name	2005 2nd Semester				2006 1st Semester				Average Lecture time(no.) per week	
		Course Title	Year	Lecture Time per week	Total Lecture Time(no.) per week	Course Title	Year	Lecture Time per week	Total Lecture Time(no.) per week		
professor	1	JinKyoon Kim	-	-	-	-	Architectural Design Studio5-1	5	10	10 (1)	10 (1)
	2	Woogab Shim	-	-	-	-	-	-	-	-	-
	3	Kwanghyun Kim	Architectural Design Studio4-2	4	10	13(2)	Architectural Design Studio4-1	4	10	23(3)	18 (2.5)
			Architectural Space and Form	1	3		Architectural Design Studio5-1	5	10		
						Theory of Architecture	5	3			
4	Jeapil Choi	Architecture and Society	3	3	3(1)	-	-	-	-	3 (1)	
Associate Professors	5	Hyuncheol Kim	Architectural Design Studio3-2	3	10	13(2)	Architectural Design Studio3-1	3	10	20 (2)	16.5 (2)
			Interior Design	4	3		Architectural Design Studio5-1	5	10		
	6	Dunam Choi	Architectural Design Studio2-2	2	10	10(1)	Architectural Presentation Technique	1	6	26 (3)	18 (2)
							Architectural Design Studio2-1	2	10		
							Architectural Design Studio5-1	5	10		
	7	Bonghee Jeon	Asian Architecture and Urbanism	4	3	3(1)	Architectural Presentation Technique	1	6	9(2)	6(1.5)
							Korean Architecture	4	3		
Assitant Professor	8	SeungHoy Kim	Architectural Design Studio1-2	1	10	10(1)	Architectural Design Studio1-1	1	10	23(3)	16.5 (2)
							Building Materials	3	3		
							Architectural Design Studio5-1	5	10		
	9	Sohyun Park	The City Cultures and Urban Conservarion	4	3	3 (1)	Architecture and urban design	3	3	13(2)	13(2)
							Architectural Design Studio5-1	5	10		
Average Lecture time (No.)				55	7.8 (1.2)	Average Lecture time (No.)		124	17.7 (2.2)	12.7 (1.7)	

Table 43 Organization of Full-time Faculty

Part-time FACULTY		Faculty Name	2005 2nd Semester				2006 1st Semester				Average Lecture time(no.) per week
			Course Title	Year	Lecture Time per week	Total Lecture Time(no.) per week	Course Title	Year	Lecture Time per week	Total Lecture Time(no.) per week	
Faculty at B.S. in Archi.Eng.	1	Sunggul Hong	Architectural Structure1	1	3	3(1)	-	-	-	-	3(1)
	2	Myongsouk Yeo	Environmental Technology	3	3	3(1)	-	-	-	-	3(1)
Faculty at SNU	3	Gunhyuk Ahn	Urban Planning and Development	5	3	3(1)	-	-	-	-	3(1)
	4	Wookju Jung	Architecture and Landscape	4	3	3(1)	-	-	-	-	3(1)
Professors of Other University, Architects, Engineers	5	Hyungmin Pai	History of Architecture 1	2	3	3(1)	History of Architecture 2	3	3	3(1)	3(1)
	6	Byeongho Lee	Sustainable Architecture	4	3	3(1)	Building System 1	5	3	3(1)	3(1)
	7	Imsik Cho	Activity and Space	3	3	3(1)	-	-	-	-	3(1)
	8	Bosik Son	Construction Technology	3	3	3(1)	-	-	-	-	3(1)
	9	Yungin Kim	Mechanical and Electrical Systems for Building	4	3	3(1)	-	-	-	-	3(1)
	10	Donghee Oh	Architectural Design Studio3-2	3	10	10(1)	Architectural Design Studio3-1	3	10	10(1)	10(1)
	11	Sungkwan Lee	Architectural Design Studio4-2	4	10	10(1)	Architectural Design Studio4-1	4	10	10(1)	10(1)
	12	Chungkee Lee	Architectural Design Studio2-2	2	10	10(1)	-	-	-	-	10(1)
	13	Mina Lee	Architectural Design Studio1-2	1	10	10(1)	Architectural Design Studio1-1	1	10	10(1)	10(1)
	14	Junggoo Cho	Architectural Design Studio1-2	1	10	10(1)	-	-	-	-	10(1)
15	Moonsung Kwon	Architectural Design Studio2-2	2	10	10(1)	-	-	-	-	10(1)	
16	Hyunguk Lee	Architectural Design Studio3-2	3	10	10(1)	-	-	-	-	10(1)	

Part-time FACULTY		Faculty Name	2005 2nd Semester				2006 1st Semester				Average Lecture time(no.) per week	
			Course Title	Year	Lecture Time per week	Total Lecture Time(no.) per week	Course Title	Year	Lecture Time per week	Total Lecture Time(no.) per week		
	17	Jaeun Ryu	Architectural Design Studio4-2	4	10	10(1)	Architectural Design Studio4-2	4	10	10(1)	10(1)	
	18	Hyuna Jung	-	-	-	-	Architectural Design Studio1-1	1	10	10(1)	10(1)	
	19	Jungdae Park	-	-	-	-	Design Computing	2	5	5(1)	5(1)	
	20	Jaeyong Lim	-	-	-	-	Architectural Design Studio2-1	2	10	10(1)	10(1)	
	21	Joan Pierpoline	-	-	-	-	Architectural Design Studio2-1	2	10	10(1)	10(1)	
	22	Kyungin Kang	-	-	-	-	Architectural Structure2	2	3	3(1)	3(1)	
	23	Cheolsoo Park	-	-	-	-	Housing Studies	3	3	3(1)	3(1)	
	24	Hanjong Lee	-	-	-	-	Architecture and Technology	3	3	3(1)	3(1)	
	25	Youngbum Lee	-	-	-	-	Architectural Design Studio3-1	3	10	13(2)	13(2)	
							Architectural Works Studies	4	3			
	26	Hoon Ryu	-	-	-	-	Building Codes and Regulations	4	3	3(1)	3(1)	
	27	Taehong Park	-	-	-	-	Digital Design Research	4	3	3(1)	3(1)	
Average Lecture time (No.)					107	6.2 (1)	Average Lecture time (No.)			109	6.8 (1.1)	6.6 (1)

Table 44 Organization of Part-time Faculty

As seen above, the average instruction load of full-time professors has been 1.2 courses and 6.8 hours per week for the second semester of 2005. The average instruction load of part-time professors has been 1 course and 6.7 hours per week. The average instruction load of both full-time and part-time professors has been 1.1 courses and 6.8 hours per week.

The average instruction load of full-time professors and part-time professors has been 2.3 courses and 17.7 hours per week and 1.1 courses and 6.8 hours per week for the first semester of 2006. The average instruction load of full-time and part-time professors has been 1.7 courses and 12.3 hours per week. The instruction load of full-time professors has been 1.5 courses and 12.5 hours per week for the second semester of 2005 and the first semester of 2006.

The instruction load of part-time professors has not changed dramatically from 6.7 hours (1 course) to 6.8 hours (1.1 courses) while the instruction load of full-time professors has increased from 6.9 hours per week (1.2 courses) to 17.7 hours per week (2.3 courses). This is a result of the addition of the fifth year studios to the instruction load. The increased instruction load of full-time professors should be improved by appointing more full-time professors.

F.6 The Faculty

Out of the 9 full-time professors in Bachelor of Architecture Program, 7 have Ph. D degrees and 2 have Master's degrees. Among the 7 full-time professors with Ph. D's, 4 professors have Ph. D's in Engineering, and the other 3 have Ph. D's in Architecture, Fine Arts, and Urban Design. Professors without a Ph.D have professional Master of Architecture degrees. 4 of these professors are registered Architects in Korea. The mix of qualifications ensures a strong base in both theory and practice. In addition, 3 regular assistant instructors are appointed to Department management and education.

B.Arch. Program FACULTY	No.	Faculty Name	Academic Degree	Educational Institute (Year)	Career			Certificate of Qualification	Note
					Service Year at Government/ Company	Service Year as Prof.	Service Year at SNU		
Professors	1	JinKyoon Kim	Ph.D	UOS (1994)	6	31	25		
	2	Woogab Shim	Ph.D	Sungkyunkwan Univ. (1994)	10	27	23	AIA	
	3	Kwanghyun Kim	Ph.D	Univ. of Tokyo (1983)	2	29	13		
	4	Jeapil Choi	Ph.D	Georgia Tech. (1988)	7	17	7		
Associate Professors	5	Hyuncheol Kim	Ph.D	EHESS (1994)	7	11	11	KIA France Arch.	
	6	Dunam Choi	M.Arch.	Havard GSD (1983)	21	4	4	AIA	
	7	Bonghee Jeon	Ph.D	SNU (1992)	2	13	8		
Assistant Professors	8	SeungHoy Kim	M.Arch.	Univ. of Michigan (1985)	12	5	5	KIA	
	9	Sohyun Park	Ph.D	Univ. of Washington (2001)	7	4	1	-	
Full-Time Senior Instructors	-	-	-	-	-	-	-	-	
Total	9	-	-	-	-	-	-	-	

Table 45 List of B.Arch. Program Full-time Faculty

B.Arch.Program Part-time FACULTY	No.	Faculty Name	Academic Degree	Educational Institute (Year)	Career			Certificate of Qualification	Note
					Service Year at Government/ Company	Service Year as Prof.	Service Year at SNU		
Guest Professor	-	-	-	-	-	-	-	-	
B.S. in Architectural Engineering	1	Sunggul Hong	Ph.D	Lehigh Univ. (1994.5)	4	9	9	-	
	2	Cheolho Lee	Ph.D	SNU (1992)	-	13	3	PA	

B.Arch.Program Part-time FACULTY	No.	Faculty Name	Academic Degree	Educational Institute (Year)	Career			Certificate of Qualification	Note
					Service Year at Government/ Company	Service Year as Prof.	Service Year at SNU		
Program FACULTY	3	Myongsouk Yeo	Ph.D	SNU (1998)	2	5	3	-	
Faculty at SNU	4	Gunhyuk Ahn	Ph.D	Kyungwon Univ. (1995)	15	10	8	-	
	5	Wookju Jung	MLA	Univ. of Pennsylvania (1999)	7	1	1	-	
Tutor at Design Studio	6	Mina Lee	M.Arch.	Berlage Institute (1999)	14	-	4	NIA	
	7	Hyuna Jung	M.Arch.	Columbia Univ. (2000)	15	5	2	-	
	8	Junggoo Cho	M.S. in Arch. Eng.	SNU (1992)	9	-	3	KIA	
	9	Jaeyong Lim	M.Arch.	Univ. of Michigan (1986)	20	10	7	AIA / KIA	
	10	Joan Pierpoline	M.Arch.	Univ. of Pennsylvania (1984)	22	4	4	AIA	
	11	Moonsung Kwon	M.S. in Arch. Eng.	SNU (1993.2)	22	7	6	KIA	
	12	Chungkee Lee	M.S. in Arch. Eng.	Yonsei Univ. (1997)	18	10	2	KIA	
	13	Donghee Oh	M.S. in Arch. Eng.	SNU (1984.2)	20	17	2	KIA	
	14	Youngbum Lee	M.Arch.	Univ. of Washington (1972)	34	20	1	AIA	
	15	Hyunguk Lee	M.S. in Arch. Eng.	SNU (1985)	17	6	6	KIA	
	16	Sungkwan Lee	M.Arch.	Columbia Univ. (1983)	20	17	2	AIA	
17	Jaeeun Ryu	M.Arch.	Univ. of Michigan (1982)	17	6	3	KIA		
Lecturer	18	Jungdae Park	Ph.D	SNU (2005)	5	11	1	-	
	19	Hyungmin Pai	Ph.D	MIT (1993)	3	10	1	-	
	20	Kyungin Kang	Ph.D	Tokyo institute of Tech. (1992)	2	19	2	-	
	21	Bongsoo Jeon	B.S. in Arch.	SNU (1968)	36	2	2	PA	

B.Arch.Program Part-time FACULTY	No.	Faculty Name	Academic Degree	Educational Institute (Year)	Career			Certificate of Qualification	Note
					Service Year at Government/ Company	Service Year as Prof.	Service Year at SNU		
	22	Bosik Son	Ph.D	SNU (2005)	10	4	2	-	
	23	Hanjong Lee	B.S. in Arch.	Sungkyunkwan Univ. (1986)	21	1	1	KIA	
	24	Raeik Park	M.S in Real Estate Dev.	MIT (1999)	20	2	2	-	
	25	Cheolsoo Park	Ph.D	SNU (1994)	12	12	1	-	
	26	Imsik Cho	M.Arch.	Berlage Institute (1999)	7	3	2	NIA	
	27	Byeongho Lee	Ph.D	Illinois institute of Tech. (2002)	14	8	2	KIA	
	28	Hoon Ryu	M.U.	Univ. of Pennsylvania (1999)	28	2	2	PA	
	29	Yungin Kim	Ph.D	SNU (1994)	13	10	10	PA	
	30	Taehong Park	B.S. in Arch.	Hongik Univ. (1984)	2	9	1	KIA	
	31	DongKyu Choi	M.Arch.	Hanyang Univ. (1989)	35	16	1	-	
	32	Sanghoon Bu	M.Arch.	Columbia Univ. (1998)	11	3	1	-	
	33	Junghoon Kim	MUD	SNU (1996)	29	28	1	-	
Sub-Total	33								
Asistant Instructor	1	Junghyun Hwang	M.S. in Arch. Eng.	SNU (1996)	4	-	3	-	-
	2	Taehyu Ha	M.S. in Arch. Eng.	SNU (2000)	-	-	2	-	-
	3	Sanghoon Ju	M.S. in Arch. Eng.	SNU (2001)	-	-	1	-	-
Sub-Total	3								
Total	36								

Table 46 List of B.Arch. Program Part-time Faculty

B.S. in Architecture Program FACULTY	No.	Faculty Name	Academic Degree	Educational Institute (Year)	Career			Certificate of Qualification	Note
					Service Year at Government/ Company	Service Year as Prof.	Service Year at SNU		
Professors	1	Kwangwoo Kim	Ph.D	Univ. of Michigan (1984)	2	20	15		
Associate Professors	2	Hyunsoo Lee	Ph.D	Univ. of Michigan (1992)	9	13	8		
	3	Sunggul Hong	Ph.D	Lehigh Univ. (1994.5)	4	9	9		
	4	Cheolho Lee	Ph.D	SNU (1992)	-	13	3		
	5	Honggun Park	Ph.D	Univ. of Texas (1994)	5	8	8	PA	
Assistant Professors	6	Myongsouk Yeo	Ph.D	SNU (1998)	2	5	3		
Total	7	MoonSeo Park	Ph.D	MIT (2001)	8	4	1		

Table 47 List of B.S. in Architectural Engineering Program FACULTY

F7 List of Assigned Professors and Instructors

The major courses and the assigned instructors for the Bachelor of Architecture Program, for the second semester of 2005 and the first semester of 2006, are listed below.

Year	Semester 2 / 2005		Semester 1 / 2006	
	Course title	Lecturer	Course title	Lecturer
Year 1	Architectural Structure1	Sunggul Hong	Architectural Presentation Technique	Bonghee Jeon
	Architectural Space and Form	Kwanghyun Kim	Architectural Presentation Technique	Dunam Choi
	Architectural Design Studio1-2	SeungHoy KIm	Architectural Design Studio1-1	SeungHoy KIm
	Architectural Design Studio1-2	Mina Lee	Architectural Design Studio1-1	Mina Lee
	Architectural Design Studio1-2	Junggoo Cho	Architectural Design Studio1-1	Hyuna Jung
No. of 1st Year Courses	3		3	
Year 2	History of Architecture 1	Hyungmin Pai	Design Computing	Jungdae Park
	Activity and Space	Imsik Cho		
	Architectural Design Studio2-2	Dunam Choi	Architectural Design Studio2-1	Dunam Choi
	Architectural Design Studio2-2	Moonsung Kwon	Architectural Design Studio2-1	Jaeyong Lim
	Architectural Design Studio2-2	Chungkee Lee	Architectural Design Studio2-1	J.Pierpoline
	Statics	Cheolho Lee	Architectural Structure2	Kyungin Kang
	Construction Technology	Bosik Son		
No. of 2nd Year Courses	5		3	
Year 3	Architecture and Society	Jeapil Choi	History of Architecture 2	Hyungmin Pai
			Housing Studies	Cheolsoo Park
	Environmental Technology	Myongsouk Yeo	Architecture and Technology	Hanjong Lee
			Building Materials	SeungHoy KIm
	Architectural Design Studio3-2	Hyuncheol Kim	Architectural Design Studio3-1	Hyuncheol Kim
	Architectural Design Studio3-2	Donghee Oh	Architectural Design Studio3-1	Donghee Oh
	Architectural Design Studio3-2	Hyunguk Lee	Architectural Design Studio3-1	Youngbum Lee
No. of 3rd Year Courses	3		5	
Year 4	Interior Design	Hyuncheol Kim	Korean Architecture	Bonghee Jeon
	Asian Architecture and Urbanism	Bonghee Jeon	Building Codes and Regulations	Hoon Ryu
	Architectural Design Studio4-2	Kwanghyun Kim	Architectural Design Studio4-1	Kwanghyun Kim

Year	Semester 2 / 2005		Semester 1 / 2006	
	Course title	Lecturer	Course title	Lecturer
	Architectural Design Studio4-2	Sungkwan Lee	Architectural Design Studio4-1	Sungkwan Lee
	Architectural Design Studio4-2	Jaeun Ryu	Architectural Design Studio4-1	Jaeun Ryu
	Mechanical and Electrical Systems for Building	Yungin Kim	Digital Design Research	Taehong Ryu
	Sustainable Architecture	Byeongho Lee	The City Cultures and Urban Conservation	Sohyun Park
	Urban Planning and Development	Gunhyuk Ahn	Architectural Works Studies	Youngbum Lee
	Architecture and Landscapes	Wookju Jung		
No. of 4th Year Courses	7		6	
5Year	-	-	Theory of Architecture	Kwanghyun Kim
			Building System 1	Byeongho Lee
			Architectural Design Studio5-1	JinKyoon Kim
			Architectural Design Studio5-1	Kwanghyun Kim
			Architectural Design Studio5-1	Hyuncheol Kim
			Architectural Design Studio5-1	Dunam Choi
			Architectural Design Studio5-1	SeungHoy KIm
			Architectural Design Studio5-1	Sohyun Park
		Urbanism and Architecture	Junghoon Kim	
No. of 5th Year Courses	-	?	4	?
Total No. of Courses	18	?	20	?

Table 48 Courses and assigned professors

Students are required to complete 3 major courses in their first year, 5 in their second year, 3 in their third year, and 7 in their fourth year. The number of required courses for first year students in the first semester of 2006 is 3 which is the same as in the second semester of 2005. The number of required courses for the other years has changed to 3 courses for the second year and to 5 courses for the fourth year. Also, fifth year students have been required to finish the core program courses in the first semester of 2006. For each year, an average of 4-5 courses, per semester, are required to be finished

F8 Statistics on Outside Tutors (Course Studio Tutors, Instructors, Invited Lecturers, Invited Critics)

Currently the Department of Architecture is inviting outside tutors for forums, lectures, special lectures, and invited critiques. Numerous seminars, inviting renowned domestic and international architects and academics, are held and in some cases are open to the public. Various academic events and conferences are offered so that students can participate and benefit from easy access to intensive architectural discourse.

Below is a list of some of the programs which the Department has introduced, despite limited finances.

Semester	Title		Date	Title / Architect	Note
2005 - Fall	Special Lectures	KuySeung Woo	03/08	Architecture Between the cultures	
		YoungBum Lee	03/31	Minimalism	
		Wolf D. Prix :COOP HIMMELB(L)AU	10/07	Beyond the Blue	
		Tai Soo Kim	10/13	Memory and Invention, Through Korean Heritage	
		Mario Botta	11/08	Recent Works	
	Visiting Architects (design critiques)	Studio 1-2		Daniel Bae, HyunSik Min	
		Studio 2-2			
		Studio 3-2		SunJae Kim	
		Studio 4-2		-	
2006 - Spring	Special Lecture	Architecture Forum With SNU-Samoo	4 Times per year	Rem Koolhaas (Sep.)	Ito Toyo (Nov.)
	KAAH Monthly Conference	Architects' Work & Education	03/18	Planning & Theory	Chairman Professor HyungMin Pai
		Problems & Improvements of Cultural Asset Registration System	04/15	Cultural Asset Preservation & Restoration	Chairman Professor DongSoo Han,

Semester	Title		Date	Title / Architect	Note
		Outcomes & Problems of Village Research	09/16	Traditional Architecture in Korea	Chairman Professor PilWon Han
		Research on Royal City Gyeongju	10/21	Preservation of Residence & Historical City	Chairman Professor SamGun Han

Table 49 List of Special Lecture, Seminar and Conference Program

F9 Technical, Administrative Staff, and Supporting Staff

There are currently 3 technical and administrative employees in the Department of Architecture. A summary on the staff and assigned work is listed below

Affiliation	Position	Name	Location		Date of Employment	Job Description
			Bldg.,Rm.	Name		
Dept. of Architecture	Administrative Staff	Oh, Kwang Seok	Bldg.#39, Room 535	Dept. Office	77.08.10	1. General Affairs
						: Operates and manages machinery and equipment for labs and practical training sessions. Executes and manages the general budget. Manages the undergraduate and graduate laboratories.
						2. Academic Affairs
						: Academic affairs, staff recruiting affairs, graduate school admissions, affairs concerning extramural education and practical training, curriculum, timetable, and part-time instructors.
	Office Employee	Choi, Mi Jeong	3Bldg.#39, Room 535	Dept. Office	01.10.01	3. Student Affairs
						: Manages the professional research agents, and student employment and recommendation as well as department student groups and associations.
						4. Other Affairs
						1. General Affairs
						: Official documents, sends and receives mail, takes care of other general matters such as parking permits

Affiliation	Position	Name	Location		Date of Employment	Job Description
			Bldg.,Rm.	Name		
						2. Academic Affairs : Undergraduate and graduate school class affairs, graduate school graduation, theses, license examinations, temporary absences and returning students, professors' research accomplishments. 3. Student Affairs : Scholarships, re-issuing student identification cards, on-campus vehicle entrance.
The Alumni Association of the Dept. of Architecture	Librarian	Park, Jung Im	Bldg.#39, Room 538	Dept. Library	05.12.01	1. General Library Affairs : The checking out and returning of books, book purchases, book budget management 2. The Alumni Association Management and Events : Alumni Association Events(New Year's, Reunions, Board of Directors Management) ·Membership fee and management costs, overall accounting affairs

Table 50 Technical, Administrative Staffs

The Department also has 6 working scholarship students to support administrative duties. A summary and assigned work is listed below

Affiliation	Dept.	Year	Name	Workplace	Work Hours	Period
College of Engineering	Architecture	Master's 1	Sungtae Kim	Bldg. #39, Room 538 Library	40 hours	3 months
College of Engineering	Architecture	Master's 2	Wonshik Kim	Bldg. #39, Room 516 Plotting Room	40 hours	3 months
College of Engineering	Architecture	Master's 2	Seungdong Lee	Bldg. #39, Room 535 Dept. Office	40 hours	3 months
College of Engineering	Architecture	Master's 2	Bongun Koo	Bldg. #39, Room 516 Plotting Room	40 hours	3 months
College of Engineering	Architecture	Master's 2	Hyunkoo Choi	Bldg. #39, Room 516 Architecture Exhibition / DOA	60 hours	3 months
College of Engineering	Architecture	Master's 2	Changsoo Kim	Bldg. #39, Room 435	60 hours	3 months

Table 51 Student of Work Study

G Physical Resources

G1 Summary

The Department of Architecture increased its own physical facilities dramatically when it moved to a newly constructed building in February of 2006 (designated building number 39 on the SNU campus map). Not only was the building new, but all of the furniture and equipment within were upgraded. Because design courses occupy a central position in the curriculum, Design Studios became the major design concern. There are six major Design Studios, fully equipped with heating and air conditioning, open 24 hours a day to provide students with a fully equipped work space. These studios are appointed with work tables, shelves, lockers, etc.

Five "critic rooms" have been prepared for design classes, and in these rooms there are display walls for pin-ups and multimedia equipment. Equipment supporting the Design Studios includes a model shop and a computer lab.

The Department of Architecture's Library has Korean and international books, magazines, and theses and provides students with an area in which they can read or conduct research.

Exhibition halls and large lecture halls, which can be used for special lectures or meetings, are available on the 4th and 5th floors.

Two computer lecture halls and five regular classrooms, all with multimedia equipment, are available. There is also a separate seminar room with multimedia equipment.

The Department of Architecture also has offices for its permanent faculty and graduate students, research centers and laboratories, faculty meeting rooms, Department offices, student council headquarters, and a lounge. Other convenient facilities such as an outdoor roof garden, courtyard, indoor lobby and gym (with exercise equipment such as treadmills) are also available. Faculty and students may also use the Department's cafeteria and cafe, computer labs, as well as the university libraries, museums, concert halls, and student centers.

Category	Contents	Note
Location	SNU Kwangak Campus	
Site Area	6,230.00m ²	
Building Area	4,617.83m ²	
Total Floor Area	26,655,70m ²	
Floors	3 Basement / 5 Stories	
Parking	132 Inside building / 13 Outside = Total 145	
Structure	R.C.	
Height	17.5m	
Type	Education and Research Centre	
Total Floor Area of Architecture Dept.	B.Arch. Program 3828.91m ² (5F) / B.S. in Architectural Engineering Program 3182.34m ² (4F)	
	Research Centers 228.2m ² (1F) / Class Rooms and Seminar Hall 521.79m ² (B1F) / Model Workshop 1597.02m ² (B2F)	
Floor of Architecture Dept.	B2 (partial) + B1 (partial) + 1F (partial) + 4F (partial) + 5F	

Table 52 Building 39 - Information



Figure 9 Building 39 – Perspective View



Figure 10 Location of Building 39

Currently the Department of Architecture occupies part of the fourth floor and the entire fifth floor of building #39. On the fourth floor are the architectural engineering faculty offices, graduate student offices, and engineering Design Studios for students of architecture and engineering. On the fifth floor are the architectural design faculty offices, graduate students' offices, Design Studios, Department library, and the Department office.

We are currently using the total floor space allotted to us by the school according to our educational goal and priorities. The Design Studios, of which there are six, utilize the most space. The next spatial order of priority are the critique rooms and lecture halls.

The Department of Architecture's lectures are held in five classrooms, one large lecture hall, two computer rooms, and one seminar room in the first basement floor of building #39. These classrooms and conference rooms are used jointly by the architectural engineering Department and other majors. These multipurpose conference rooms are used for student events separate from classes, and each

classroom is equipped with a beam projector and screen to make computer presentations possible. The machinery support center, located on the second basement floor, is also used jointly with other Departments within the College of Engineering. Students can come here to receive help on projects they find difficult to complete on their own. In building #44-1, located near building #39, computer-related classes can be held and students can use the computer labs freely. Also, computer-related equipment rental, conference rooms for team projects, and reading/studying rooms are available for students. There are currently no classes being held in building #44-1, but students may use this building according to their needs. The multimedia building, building #43-1(also located near building #39), also supports large group lectures and conferences; it is used mainly for architecture symposiums and guest lecture events.

On the fifth floor of building #39, there are six Design Studios in which students work on their design projects. Each Design Studio has lockers and individual work stations. Students who are in their second to fourth years of the program use these studios. The studios have a mix of class years to encourage exchange and dialogue. Design critiques do not take place in the Design Studios. Critics meet the students in critique rooms which are fully equipped with computer presentation equipment. The fifth floor houses the faculty offices, the graduate students' offices, the model shop, printing room, and darkroom.

	Category	Area (m ²)	No. of Users	Unit Area per User (m ²)
Administrative & Faculty Offices	Department Office	51.48	-	-
	Model Storage	60.84	-	-
	Sub-Total	112.32	-	-
	JinKyoon Kim	21.84	1	21.8
	Woogab Shim	21.84	1	21.8
	Kwanghyun Kim	21.84	1	21.8

	Category	Area (m ²)	No. of Users	Unit Area per User (m ²)
	Jeapil Choi	21.84	1	21.8
	Hyuncheol Kim	21.84	1	21.8
	Bonghee Jeon	21.84	1	21.8
	Dunam Choi	21.84	1	21.8
	SeungHoy KIm	21.84	1	21.8
	Sohyun Park	21.84	1	21.8
	Meeting Room	37.62	16	2.3
	Sub-Total	234.18		
Laboratory (Graduated Students)	Lab for Architectural Design	79.56	16	4.9
	Lab for Architectural Planning	79.56	14	5.6
	Architectural Design & Theory Lab.	79.56	19	4.1
	Lab for Architectural & Urban Space	79.56	12	6.6
	Architecture, Space Design Lab.	79.56	3	26.5
	Architectural History Lab	60.84	10	6
	Architectural History Archives	28.35	3	9.4
	Architectural Planning & Design Lab	60.84	2	30.4
	Lab for Architecture & Urban Design	60.84	6	10.1
	Urban Form and Conservation Lab	60.84	6	10.1
	Sub-Total	669.51		
Design Studio	Architectural Design Studio1	121.68	27	4.5
	Architectural Design Studio2	121.68	28	4.3
	Architectural Design Studio3	121.68	27	4.5
	Architectural Design Studio4	95.94	12	7.9
	Architectural Design Studio5	95.94	23	4.1
	Architectural Design Studio6	95.94	12	7.9
	Sub-Total	652.86		
Student Support Facilities for Design Studio	Critique Room (504)	21.84	14	1.5
	Critique Room (505)	21.84	14	1.5
	Critique Room (521-1)	22.23	14	1.5
	Critique Room (521-2)	22.23	14	1.5
	Critique Room (521-4)	22.23	14	1.5
	Photography Studio (521-3)	22.23	14	1.5
	Darkroom	16.2	-	-
	Model Workshop	58.68	-	-
	Architectural Library	148.2	-	-
	Audio-Visual Classroom 1	37.62	20	1.8
	Audio-Visual Classroom 2	51.48	32	1.6
	Plotting Room	15.21	-	-

Category		Area (m ²)	No. of Users	Unit Area per User (m ²)
Student's Association HQ		17.55	-	-
Sub-Total		2596.35		
Student Support Facilities for Lecture	PC Lectuer Room 1 (Sharing)	39.78	50	0.7
	PC Lectuer Room 2 (Sharing)	22.43	30	0.7
	Classroom 1 (Sharing)	39.78	50	0.7
	Classroom 2 (Sharing)	39.78	50	0.7
	Classroom 3 (Sharing)	39.78	50	0.7
	Classroom 4 (Sharing)	17.94	30	0.5
	Classroom 5 (Sharing)	17.94	30	0.5
	Seminar Room (Sharing)	60.76	60	1
	BK Conference Hall (Sharing)	243.6	120	2
	Machinery Support Center	1597.02	-	-
Sub-Total		2118.81		
Total Area		6384.03		

Table 53 Facility Room (Current Condition) Information



Figure 11 Context of Building 39

Category	Department of Architecture (4th Floor, 5th Floor of building #39)		Sharing Space with other departments in building #39	Sharing Space with College of Engineering: Building #43-1, 44-1
	Architectural Design Major	Architectural Engineering Major(Sharing)		
Administration	Department Office	-	-	-
	Model Storage	-	-	-
Faculty Support	Faculty Offices	-	-	-
	Faculty Meeting Room	-	-	-

Category	Department of Architecture (4th Floor, 5th Floor of building #39)		Sharing Space with other departments in building #39	Sharing Space with College of Engineering: Building #43-1, 44-1
	Architectural Design Major	Architectural Engineering Major(Sharing)		
Facilities	Laboratory	-	-	-
Design Studio	Architectural Design Studio	-	-	-
Student Support Facilities	Student's Association HQ	Architectural Library	Machinery Support Center (B2)	Shinyang Academic Information Center (#44-1)
	Darkroom	Plotting Room	BK Conference Hall (B1)	multimedia building (#43-1)
	Model Workshop	-	PC Lectuer Room	-
	Media Room 1	-	Class Room	-
	Media Room 2	-	Seminar Room(B1)	-
Etc.	Exhibition Gallery	-	-	-

Table 54 Current Facility Usage

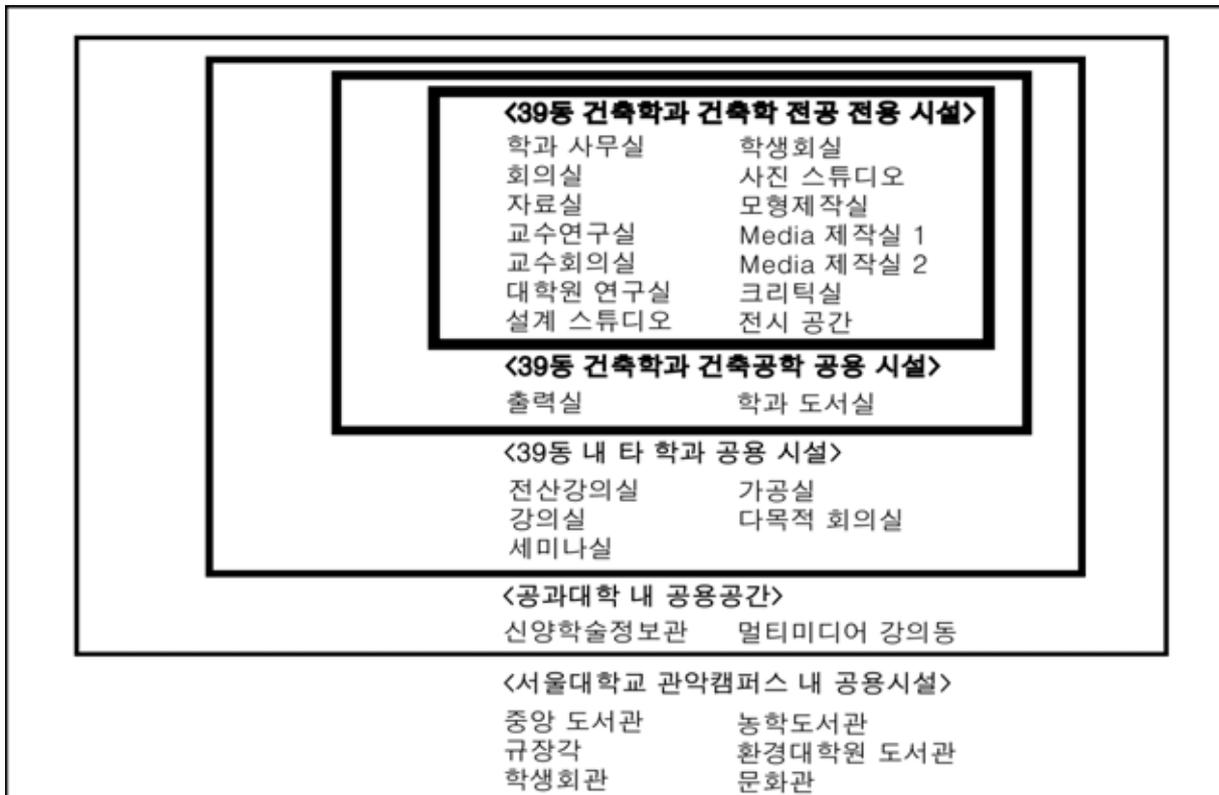


Figure 12 Facilities Diagram

Studios 1, 2, and 3 are used together by second to fourth year undergraduate students. Design Studio 4 is used by fifth year students for their thesis projects, and Design Studios 5 and 6 are used by first year undergraduate students. Second to fourth year students may choose which Design Studio they would like to work in. For graduate students, individual work spaces are located within the graduate students' office and not in the six large Design Studios. However, graduate students are in need of individual spaces in which to work on their design projects, and are currently sharing the fifth year undergraduate students' studio. All students are provided with a card key which they can use to enter their Design Studio for security purposes. Security in all the classrooms within building #39 is tight.



Figure 13 Studio 1, 2, 3, 4, 5, 6 from the upper left

The current number of students per Design Studios, in the year 2006, is as follows.

Design Studio Room Number	# of Students	Area	Area Allocated Each Person	User
1	27	121.68 m ²	4.51 m ²	2,3,4th Year Students
2	28	121.68 m ²	4.35 m ²	
3	27	121.68 m ²	4.51 m ²	
4	12	95.94 m ²	8.00 m ²	5th Year Students
5	23	95.94 m ²	4.17 m ²	1st Year Students
6	12	95.94 m ²	8.00 m ²	

Table 55 Students Assignments to Design Studios



Figure 14 Furniture for each Studio

G3 Individual Work Stations and Lockers for Students

- Individual Work Stations and Lockers for Students

We provide students with individual work spaces and lockers within the Design Studio in order to create a comfortable environment in which they can work at school. An independent work station is the most fundamental space a school can provide for students. The University is not just a place for students to take classes, but a place to work and to socialize.

Architectural design students need space to store various materials, tools, and personal items to complete design projects. As can be seen above in Table #5, approximately 4.5m² of space is allotted to each individual.

Each student is provided with one locker. Each Design Studio is fully equipped with a telephone, LAN, electricity, and running water. Students may use the telephone and LAN line by making a request to the Department office, and may bring in personal computers to connect to the internet.

- Heating and Air Conditioning

The Seoul National University Department of Architecture has outdoor equipment and machinery on the roof that makes heating and air conditioning possible for 24 hours a day in every room within building #39. During the heating and air conditioning periods designated by the school, the temperature of each room can be controlled individually. Every Design Studio has windows for ventilation and a ventilation fan in place.



Figure 15 HVAC equipments

- Security

Each student receives a card key which provides entrance to their specific Design Studio, and each Design Studio has the SECOM security system. We are making an effort to eradicate any concerns about lost or stolen items by encouraging students to use their individual lockers. Every entrance to the building, except for the main entrances guarded by security personnel, is closed from 7 p.m. to 6 a.m. and on the weekend so as to prevent outside intruders.

The library is equipped with two search computers (Pentium 2.8G, 768MB RAM), one printer(HP Deskjet 1220), one water purifier(Chungho Etrebien), one copy machine(Lotte Canon IR400G), and one scanner(HP Scanjet 3670, A4 size). The librarian also has one computer (Pentium 4 2.6G, 256MB RAM), one printer(HP Laserjet 1300), and one facsimile machine(Fuji Xerox FM-200S). The librarian is in charge of managing all aspects of the library.

The library’s collection is maintained with the help of donations from the Alumni Association, alumni and Department funds. Books are purchased regularly under the recommendation of the faculty and teaching staff. New releases are prominently displayed.

The architecture library is open from 9 a.m. to 5 p.m. on weekdays, excluding the lunch hour from noon to 1:30 p.m.

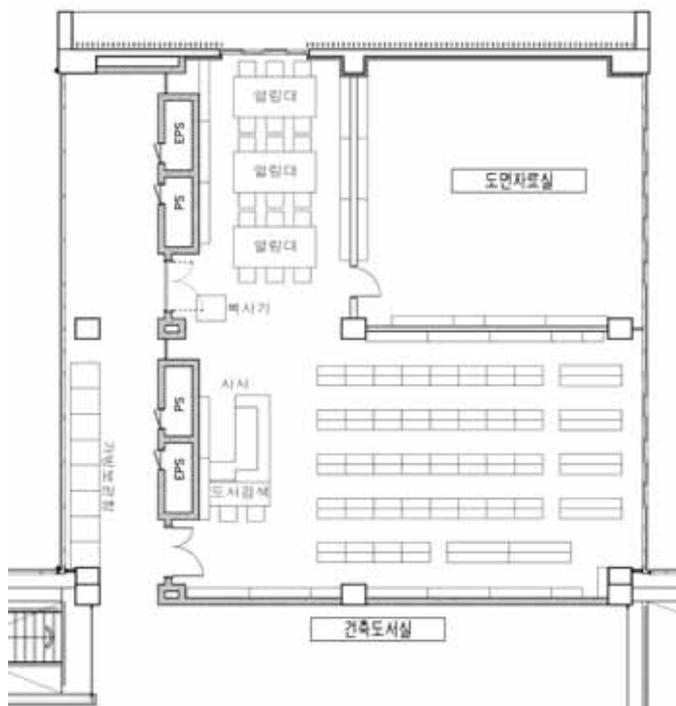


Figure 16 Arrangement of Architecture Library

G5 The Project Critique Room

Design classes are held in the critique rooms. These rooms are used mainly for design critiques. The students present their work and listen to the opinions of their tutor and fellow students; they do not meet in the Design Studios. The critique rooms are places of communication, full of debate and persuasion.

There are a total of five critique rooms, each with approximately 1.7 m² of space per student. This is less space than the individual work space allotted to each student, but still larger than the regular classrooms. Because this is not a work space but a place in which to present work, it was given less space than the Design Studios. However, because presentations occur in the critique room, they are larger than a regular classroom.

Critique rooms 504 and 505, located in the northern part of the fifth floor, can each hold approximately 14 people. Equipment needed for presentations such as a laptop computer, beam projector, and screen can all be borrowed from the Department office. Critique rooms 521-1, 521-2 and 521-4, located in the center of the western side; also hold about 14 people each. These rooms have an electro-motion screen, a beam projector (Sharp XG-NV6XE, or Nec MT-1056), and white board so that students can make their presentations with more ease.



Figure 17 Critique Room 521-1(Left), 521-4(Right)

Critique Rm.	Area	No. of using people	Usable area per person
Critique Rm. 504	21.84 m ²	14	1.82 m ²
Critique Rm. 505	21.84 m ²	14	1.82 m ²
Critique Rm. 521-1	22.23 m ²	14	1.59 m ²
Critique Rm. 521-2	22.23 m ²	14	1.59 m ²
Critique Rm. 521-4	22.23 m ²	14	1.59 m ²

Table 56 List of Critic Rooms

G6 Exhibition Gallery - The Fourth and Fifth Floors Hallway

Exhibition Area

The fifth floor hallway of building #39 is being used as an exhibition area for students to display their work. This public space is where students, faculty, staff, and guests socialize together. Projects from the Design Studios are displayed here. Final design critiques are often held here to encourage a more public audience.

There are no restrictions placed on the use of this space. However, each individual must take responsibility for any damage or losses which take place during the exhibition period.

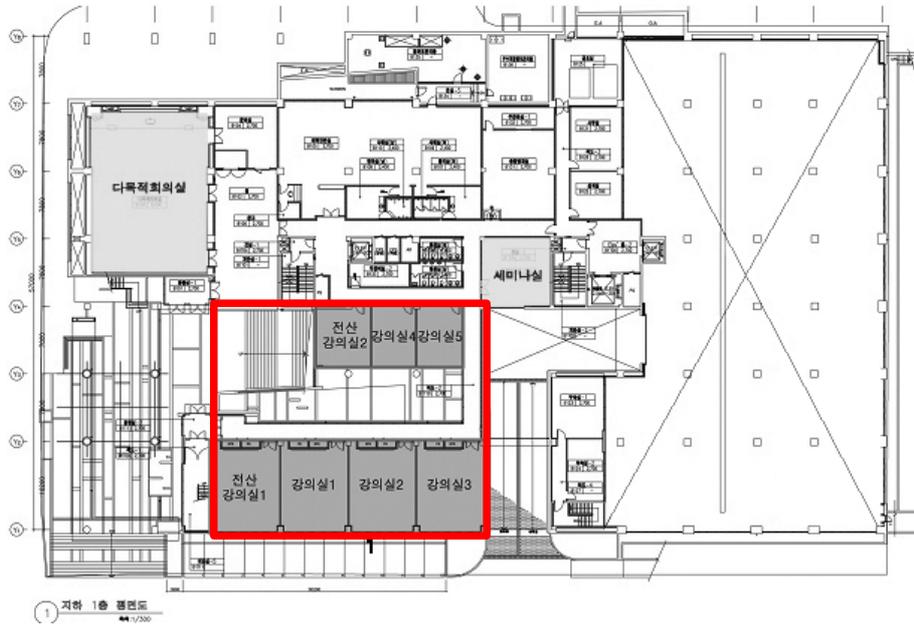
The exhibition area on the fourth floor hallway serves as a connecting force between the fourth and fifth floors. Therefore small-scale events for the architecture student body such as Teacher's Day or company recruiting functions take place here.

In a small section of the fifth floor hallway, there are currently eight computers equipped with a Pentium III processor and Windows XP, where students can work and be connected to the internet.



Figure 18 Exhibition Gallery

G7 Classrooms



- Classrooms (Building #39 / #43-1)

Design classes, seminars, theory and presentation classes primarily take place in classrooms located on the first basement floor and in the media rooms 1 and 2 on the fifth floor (refer to A11). The classes held here are mostly lecture classes, so an environment in which the lecturer can comfortably deliver the information must be in place.

Lecture Rm.	Area	No. of Users	Unit Area per User
PC Lectuer Room 1 (Sharing)	39.78 m ²	50	0.80 m ²
PC Lectuer Room 2 (Sharing)	22.43 m ²	30	0.75 m ²
Classroom 1 (Sharing)	39.78 m ²	50	0.80 m ²
Classroom 2 (Sharing)	39.78 m ²	50	0.80 m ²
Classroom 3 (Sharing)	39.78 m ²	50	0.80 m ²
Classroom 4 (Sharing)	17.94 m ²	30	0.60 m ²
Classroom 5 (Sharing)	17.94 m ²	30	0.60 m ²

Table 57 List of Classrooms

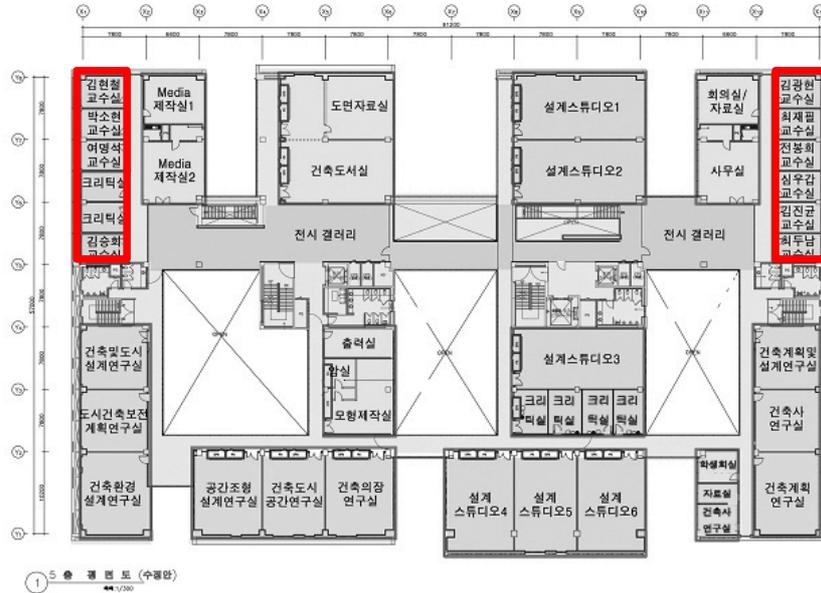
There are a total of seven classrooms on the first basement floor. Four of these (B116, B117, B118, B119) can hold approximately 50 people, and each one have an electro-motion screen, one beam projector (Sanyo PRO-XTRA_X), one white board, desks, and chairs. The remaining three classrooms(B112, B113, B114?) hold approximately 30 people, and are also equipped with one electro-motion screen, one beam projector (Sanyo PRO-XTRA_X), one white board, desks, and chairs.

- If a situation arises in which none of the classrooms in building #39 are suitable for the class in question, they may make a reservation for one of the classrooms in building #43-1 nearby. Building #43-1 is a multimedia lecture building, and has four floors. The present configuration of each floor is as follows: First floor: one mid-size classroom (holds 76 people), one seminar room (holds about 30-40 people), second floor: one large-size classroom (holds 290 people), third floor: one small-size classroom(holds 73 people), one seminar room, one mid-size classroom, two seminar rooms, one video seminar room. Every classroom has a blackboard, computer, electro-motion screen, and beam projector.



Figure 19 Small Lecture Room(Left) and Large Lecture Room(Right)

G8 Faculty Offices



- Faculty Offices

The faculty offices are where professors prepare for class and hold personal conversations with their students. These offices are always open to students. To promote a better research environment, the faculty offices wrap around the major design spaces in the Department. In close proximity there is a conference room and a lounge. The faculty office is a personal space where collections of books and research are kept. Card keys are provided and they are protected by the SECOM security system. Each office has a windows and a terrace, and thanks to the sliding louver doors, the window shades can be controlled. There are a total of 16 faculty offices. In each office there is a computer, printer, laptop computer, and telephone, all of which are government-funded. The critique rooms (rooms 504 and 505) that are located inside the faculty offices are used by new professors.

Faculty Office	Area	User	Area / User ratio
JinKyoon Kim	21.84 m ²	1	21.84 m ²
Woogab Shim	21.84 m ²	1	21.84 m ²
Kwanghyun Kim	21.84 m ²	1	21.84 m ²
Jeapil Choi	21.84 m ²	1	21.84 m ²
Hyuncheol Kim	21.84 m ²	1	21.84 m ²
Bonghee Jeon	21.84 m ²	1	21.84 m ²
Dunam Choi	21.84 m ²	1	21.84 m ²
SeungHoy Kim	21.84 m ²	1	21.84 m ²
Sohyun Park	21.84 m ²	1	21.84 m ²

Table 58 List of Faculty Offices

- The Laboratory: for Graduate School Students

There are currently six laboratories for graduate school students where 82 masters and doctoral students study. The Department plans on building three more. The Department of Architecture furnishes the laboratories with basic furniture, such as desks, chairs, and bookshelves, as well as computers, scanners, laser printers, and vacuum cleaners. The laboratories have card key-locked doors, heating and air conditioning, and security systems, as well as an attached sink.

The laboratory for graduate school students is a work/ study place. The residency time per student is long. Public space is also needed for the students to have a place to meet, so the utilized space rate per person is relatively high.

Laboratory	Area	User	Area / User ratio
Lab for Architectural Design	79.56 m ²	16	4.97 m ²
Lab for Architectural Planning	79.56 m ²	14	5.68 m ²

Laboratory	Area	User	Area / User ratio
Architectural Design & Theory Lab.	79.56 m ²	19	4.19 m ²
Lab for Architectural & Urban Space	79.56 m ²	12	6.63 m ²
Architecture, Space Design Lab.	79.56 m ²	3	26.52 m ²
Architectural History Lab	60.84 m ²	10	6.08 m ²
Architectural History Archives	16.20 m ²	3	5.40 m ²
Architectural Planning & Design Lab	60.84 m ²	2	30.42 m ²
Lab for Architecture & Urban Design	60.84 m ²	6	10.14 m ²
Urban Form and Conservation Lab	60.84 m ²	6	10.14 m ²

Table 59 List of Laboratories

G9 Computer Lab and Plotting Equipment

- Computer Lab:

Currently, the Department of Architecture does not have a dedicated computer lab. There are computers stations in the public exhibit areas on the 4th and 5th floors. Even though the computer equipment at the nearby Shin-Yang Scholarly Information Center can be used freely, the Department still requires a computer lab for classes such as "Architecture and Computers" where 3-D design programs can be taught.

At the Shin-Yang Scholarly Information Center, there are 24 computers with internet access, and 100 PCs are operated for the education of undergraduate students. They have HP DesignJet 2000CP's and 5000's for big printouts and HP desk Jet 450's for middle sized printouts, and for color laser printouts they have Tektronix Phaser 740P's. Laptop computers and digital cameras may also be borrowed.

Wireless internet access is available inside building #39, and anyone may use the internet for free. Therefore, students with laptop computers with lan cards can have easy access to the internet inside the building.



Figure 20 Computer Facilities and Plotting Room



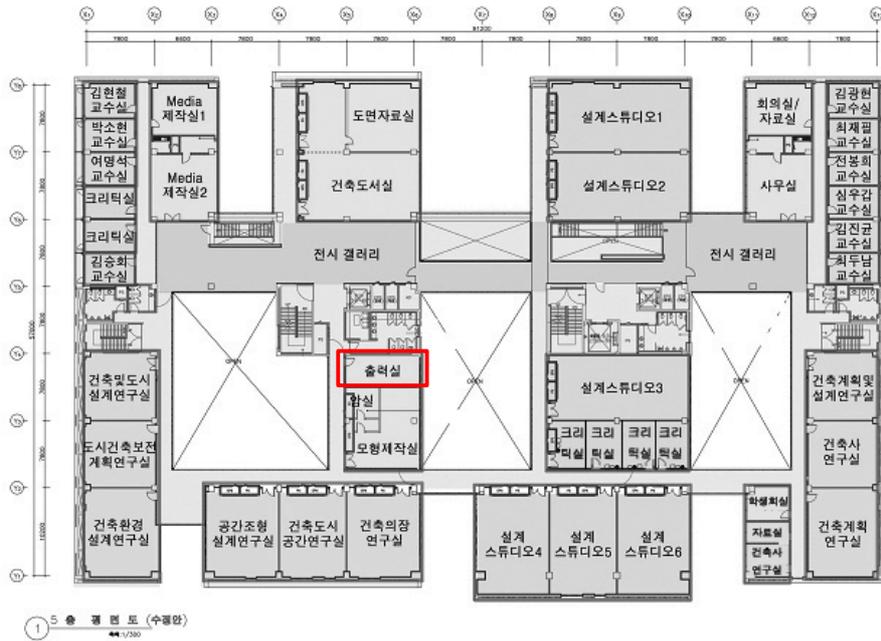
Figure 21 Cafe CPU(Left) and Computer Room(Right)

- Plotting Room

For large print-outs of design projects, plotters are required. The printing room inside building #39, room 519, has an HP Designjet800 which is capable of printing out PANTONE Digital color, and an HP Designjet5500ps which is capable of printing out general prints to large printouts on glazed/non-glazed paper. In addition, there are two Pentium IV's, and 1.00GB RAM computers exclusively for printout use.

Two assistant instructors are in charge of the printing room from Monday to Friday, 1:30 p.m. to 17:00 p.m., and if needed, any printing can be done through an assistant instructor.

The printing room has an EPSON 640XL that is capable of scanning A3 sized documents. It also has whole uncut, folio, and quarto kent paper, tracing paper, vellum paper, and section paper. A container of paper that holds woodrock and an FTP server for the Department of Architecture is also provided.

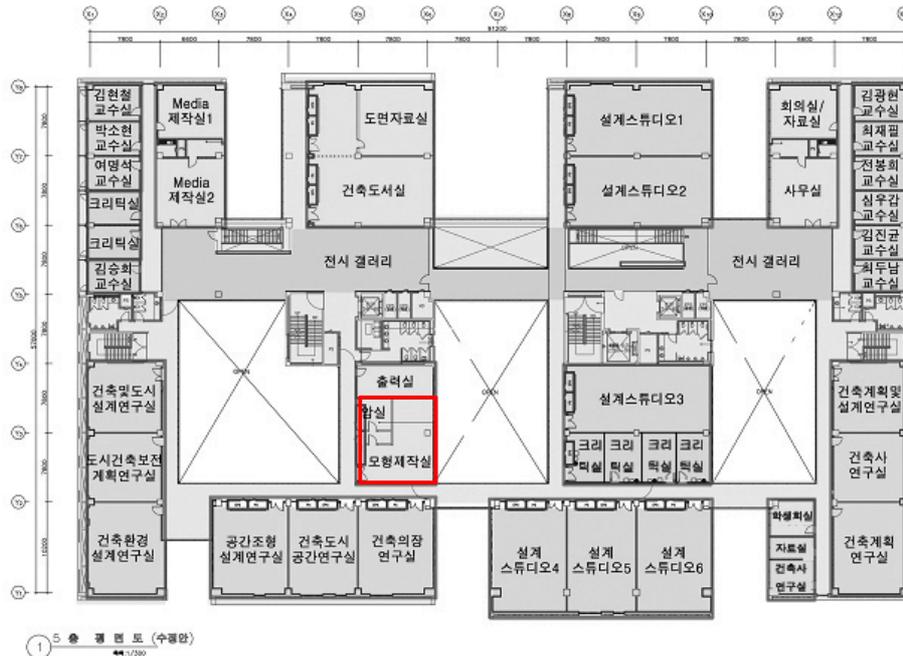


No.	Item	Model	Quantity
1	Plotter	HP 775 CM	1
2	Plotter	HP designjet 800,42 inch	1
3	Personal Computer	Pentium4, 2.4Ghz	2
4	Laser Printer	HP 4V	1
5	Laser Printer	HP LJ 5000	1
6	Inkjet Printer	Colorprint, HP 1220C	1
7	Scanner	EPSON, A3, 1640XL	1
8	Scanner	NIKON LS-2000	1
9	Scanner	RAMPAS 9900	1
Total			10

Table 60 Plotting Room(39-522) - Current equipment condition

G10 Model Workshop

- Model Workshop



- Model Workshop

The best way to understand the nature of materials is to work directly with them, and the model shop has been constructed to provide students with the environment and opportunity to do so. The shop is furnished with equipment that will cut hard and solid materials such as acrylic and wood. Other tools such as a hot-wire cutting machine are also available. The minute circular saw, small-sized circular saw, and regular circular saw, etc. are used to cut solid materials such as acrylic and wood. The usage of the minute circular saw, small-sized circular saw, regular circular saw, and band saw, etc. depends on the thickness of the material, and each may be used for detailed cutting or rough but big cutting according to the situation. Moreover, there are disk action sanders that trim material; a small-sized drilling

machine, regular drilling machine, and mini motor set to make holes; and an acrylic bending machine and scroll saw that, along with the hot-wire cutting machine, is capable of working on curved surfaces to cut materials like Styrofoam and woodrock. The students receive a safety education at the beginning of each semester from Woosung CNC, (the company which is responsible for supplying and maintaining the equipment).

The model shop is used by both undergraduate students and graduate students. It is also used as a darkroom though space is very limited. The model shop needs to be expanded. The equipment should also be upgraded so that the students may experiment with materials other than wood and acrylic.



Figure 22 The Model Shop(Left) and Machine Shop(Right)

No.	Product Name	Model Name	Quantity
1	Circular Sawing Machine, for Woodworking	KFC/E2870	1
2	Drilling Machine, Table	MD-1	1
3	Brake Machine	ABM500	1
4	Discharge Cleaver	HCM-3S	3

No.	Product Name	Model Name	Quantity
5	Saw, Jig(Fret Sawing Machine)	DSH28092	1
6	Sandpaper Grinder, Rotary Plate and Belt Type	TG250/E28060	1
7	Band Sawing Machine, for Woodworking	MBS220E,28170	1
8	Circular Sawing Machine, for Woodworking	CSM-600	2
9	Belt Disc Sander	TG250/E28060	1
TOTAL			12

Table 61 Model Shop (39-515) - List of Tools and Machinery

- The Machine Shop Attached to the College of Engineering's Machinery Support Center:

When using metallic materials during classes such as "Planning Construction Materials", students use the machine shop in building #39, room B221. The Machinery Support Center supports manufacturing equipment, and repairs machines and measuring equipment. It also lends out measuring equipment to any students or professor from any Department. The machine shop also manufactures for students and counsels them on available materials and ways of manufacturing them. The Machinery Support Center buys materials and equipment on behalf of the students for their use. There are six employees who educate students on how to use the tools and equipment.

G11 Photography Room

- Photography Room

The photography room (darkroom) is located in room 515-1 and is supervised by the Department of Architecture's photography club, ARCHI-Photo. Any student that is interested in developing black-and-white pictures and printing photographs may use the darkroom. The darkroom is equipped with the necessary chemicals. Drainage facilities and the equipment needed for developing and printing photographs has also been installed.

- Photo Studio

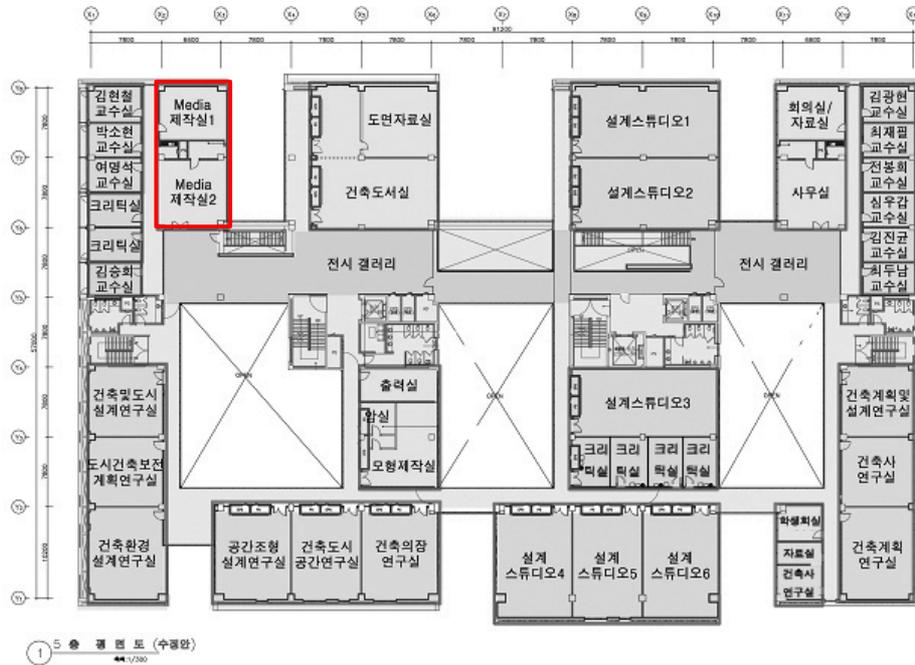
The most effective way to record student works is to take photographs. This allows students to make his/her own portfolio and store his/her works.. Currently, there is a professional photo studio(521-3) where students photograph their work. There are appropriate lighting system, background screen, and shooting equipments installed.

Students who need to take photographs can use this room freely, the key is kept at the department office. Maintenance of the room is in charge of ARCHI-Photo since they use this room most frequently for the club activities.



Figure 23 Darkroom - inside

G12 Audio-Visual Classroom and Storage Area



- Media Room:

The application of new media in architecture is rapidly expanding. The media room was planned to be used exclusively for video materials, but it is now used for a multitude of media.

There are two media manufacturing rooms, Media Rooms 1 and 2. Media Room 1 is equipped with one beam projector (Sharp XG-510K) and one electro-motion screen, and can accommodate 20 people. Media Room 1 is sometimes used as a classroom for undergraduate and graduate classes, and as a conference room for teaching assistants and professors. It can also be used as a darkroom.

Media Room 2 has one computer (Pentium 2.8G, 512MB), one electro-motion screen, one beam projector (Sony VPL-CX90), and can accommodate 32 people. It

is sometimes used as a classroom for undergraduate and graduate classes, and for small conferences.

Name	Area	No. of Users	Unit Area per User
Media Room 1	37.62 u	20	1.88 u
Media Room 2	51.48 u	32	1.61 u

Table 62 List of Media Rooms

- Storage Room

The Storage room is where the student projects during class are kept. Blueprints, models, and pictures are stored here.



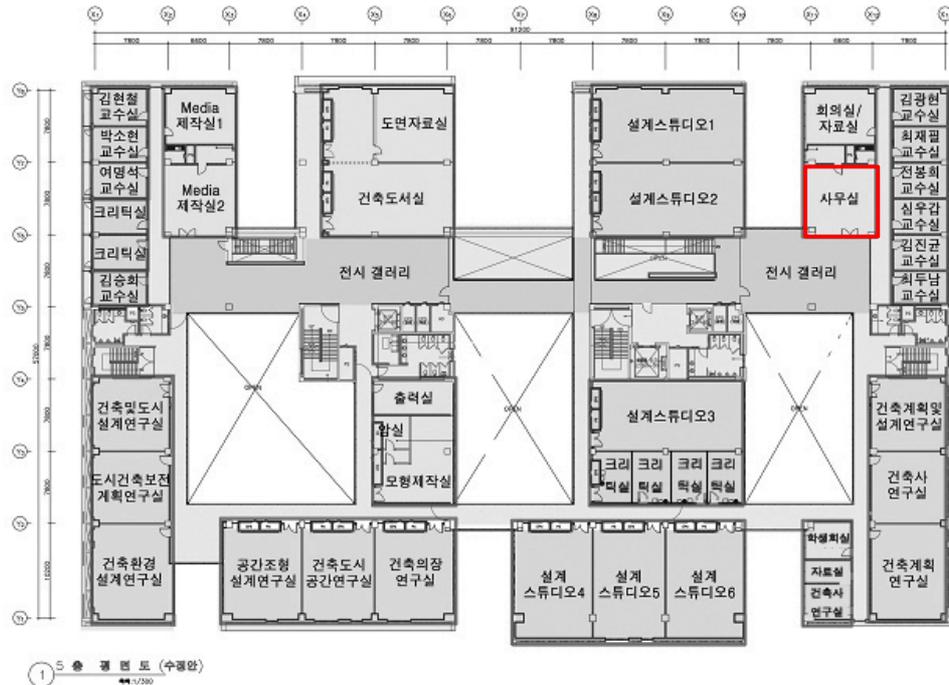
Figure 24 Storage Room



Figure 25 Media Rooms

G13 Department Office and Student Support Facilities

- Department Office



- Department Office

The most important student support place is the Department of Architecture office. The office is located in room 535. The office administratively supports students and professors. The Department office also lends out equipment required for classes. High-resolution beam projectors (three SONY, one 3M small-sized projector, one Infocus) and laptop computers (one IBM ThinkPad, four Samsung Sense, one LG Xnote) are all available for student use. 8mm and 16mm video camcorders, three Sony Digital cameras and three 3M OHP projectors are available. Moreover, students may use the Xerox blueprint duplicator, and the digital duplicator.

The Department of Architecture currently has three employees for technical and administrative work, and the details of each of the employees are in chapter F-9.

The Department of Architecture employs six student workers, and the details of their job description and current status are in chapter F-9.



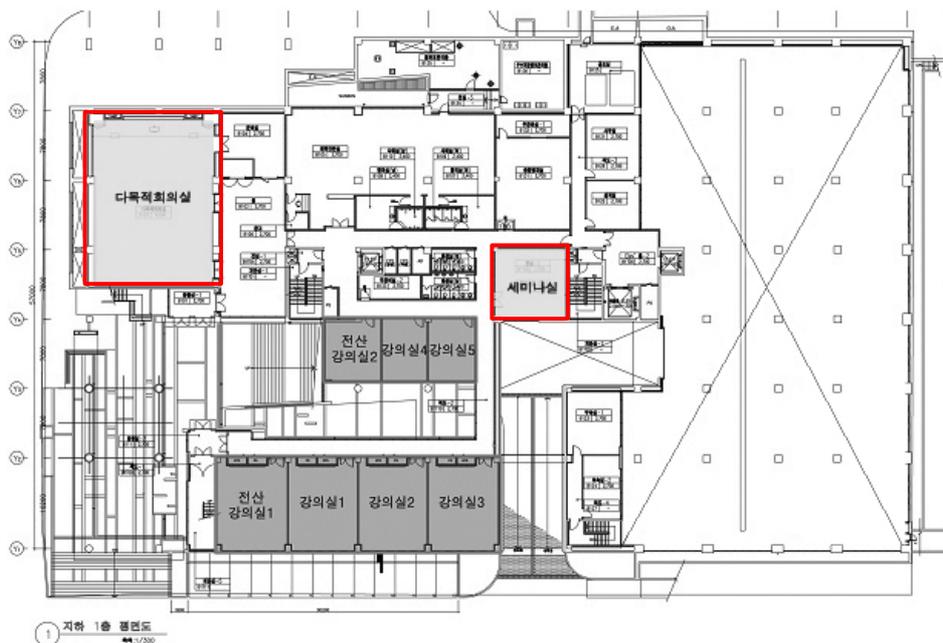
Figure 26 Department Office

- Students' Association Headquarters

A Students' Association is necessary for students to create and maintain an autonomous community. A room which can serve as the headquarters for this association is needed. Room 522 is being set aside for this purpose.

- Seminar Room / BK Multi-Purpose Conference Room:

On the first basement floor, there is a seminar room (B115) that can accommodate approximately 60 people and has one beam projector (Sanyo PRO-XTRA_X), one electro-motion screen, and one blackboard. Undergraduate and graduate courses are held here as well as small-scale seminars. The BK multi-purpose conference room is on the first basement floor (B103), holds about 120 people, and can be used by other Departments within the College of Engineering. It is a multi-purpose room that is used for large groups of people. It has one electro-motion screen, one beam projector (Sharp), one computer (Pentium VI), one preparation room (B104), one hall (B102), one placard platform, a stage, platform, and lighting and sound equipment. The Architecture Department schedules events here throughout the year, including scholars' conferences, guest lectures, and other events related to architecture are held here.



Name	Area	No. of Users	Unit Area per User
Seminar Room (Sharing)	60.76 m ²	60	1.01 m ²
BK Conference Hall (Sharing)	243.60 m ²	120	2.03 m ²

Table 63 List of Seminar and Conference Hall



Figure 27 BK Conference Hall(left) and Seminar Room(Right)

- Outdoors Space

The roof and courtyard of building #39 are for public use. The courtyard, in particular, is a place where students can gather. Students often work on their large scale projects there; the first year students have used the courtyard as exhibition space for their large scale projects.

Although HVAC equipment is located on a part of the roof, the Department is planning on making a small garden on it.



Figure 28 Roof-garden and Courtyard of Building #39

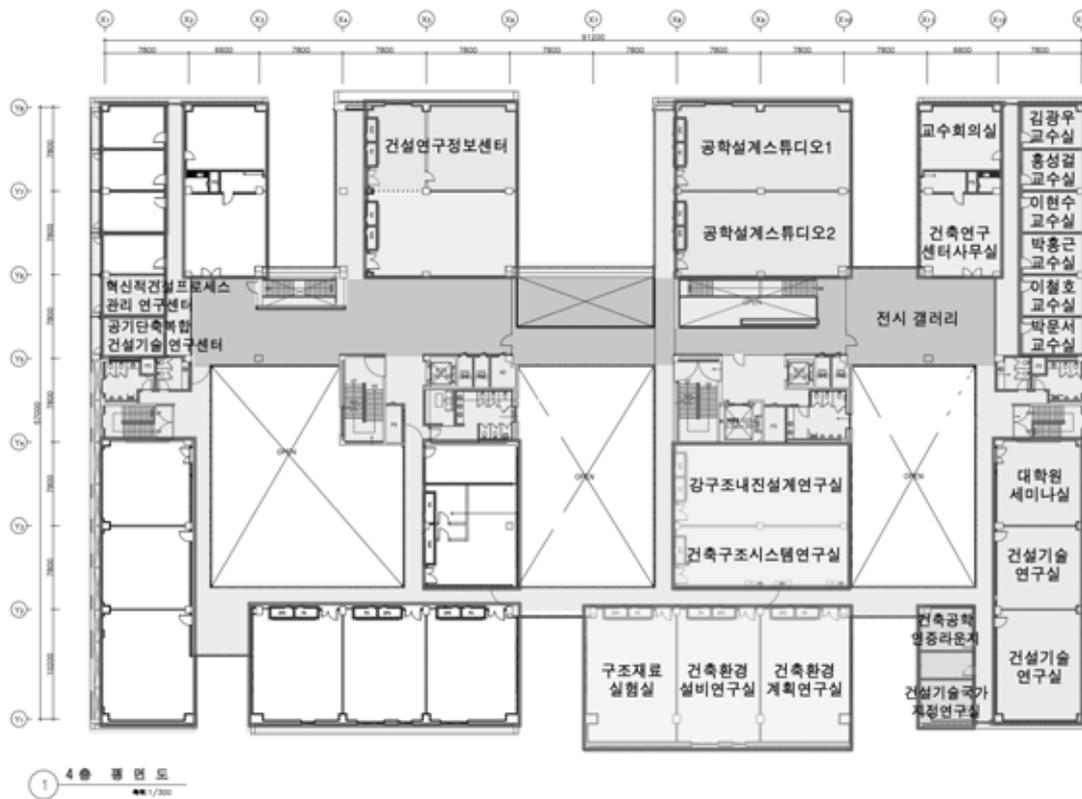
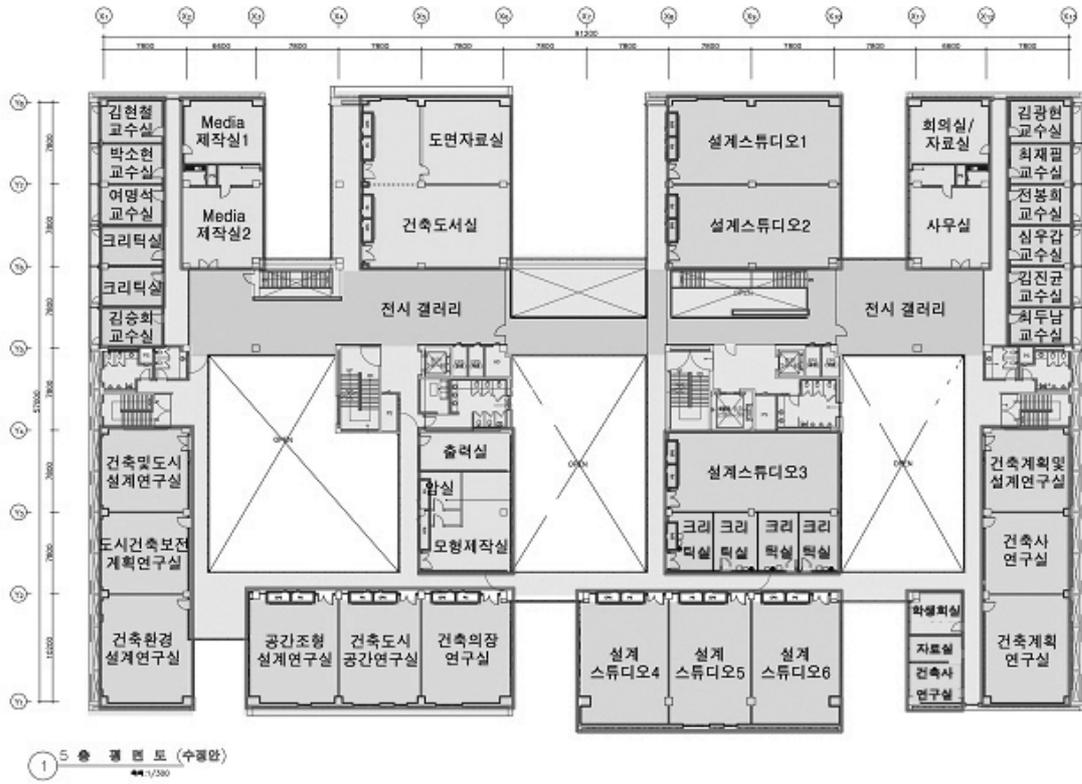


Figure 29 Plan of 4th and 5th Floor of Building #39

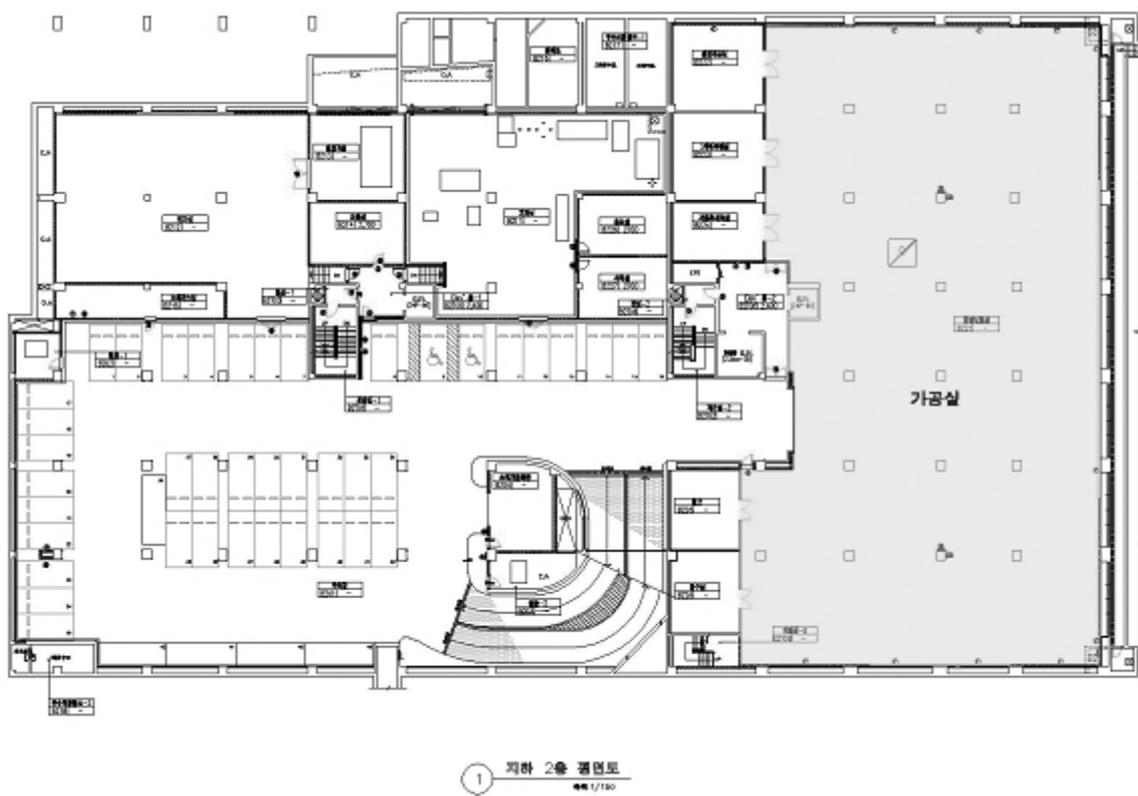
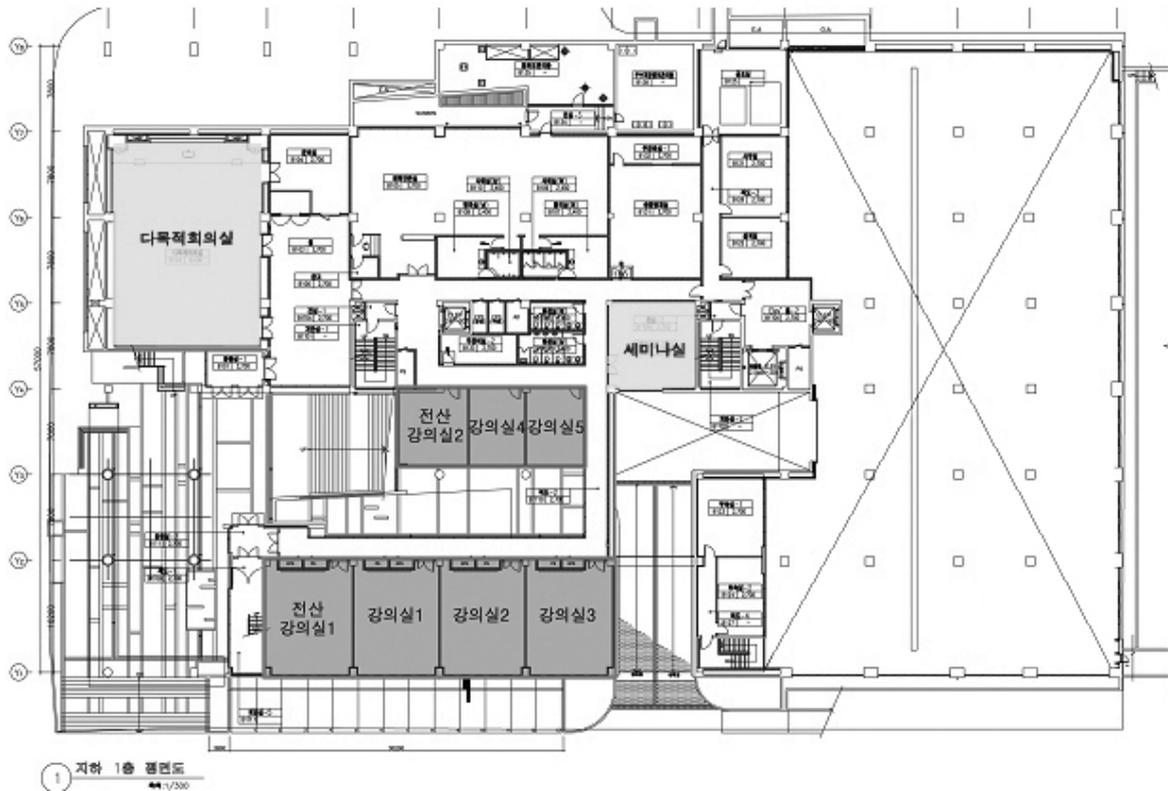


Figure 30 Plan of B1 and B2 Floor of Building #39

H Information Resources

H1 Libraries

Students of the Department of Architecture have use of the general SNU Library as well as of the Architecture Library (within the Department of Architecture). The SNU library is extremely large and is operated administratively and financially by the university. In contrast, the Architecture Library is operated solely by the Department of Architecture, and is completely independent of the University. The Architecture Library is home to some of the best books and references on architecture in the country. In addition to its professional orientation, the Library includes many resources in the humanities. It also holds most of the periodical publications on architecture available in Korea and overseas. The co-existence of these two libraries has many advantages: one is oriented for the general public and one is for the specialist.

This section will introduce the current status of the SNU Library and the Architecture Library in relation to the number of books in possession, services offered, and financial resources.

H1-1 Seoul National University Library

Context:

The Seoul National University Library, which opened on August 22, 1946, is the largest university library in Korea. It has the largest collection of books and other publications compared to all of the other university libraries in Korea. It is open year-round for the convenience of all SNU students. It has a collection of

2,455,693 volumes of books and periodicals in 1,109,034 categories. There are 81,333 volumes in 46,455 categories related to architecture--the largest collection available in Korea.

Facility:

The total floor space of the SNU library is 30,505 m² and is comprised of six floors (refer to Table-1). The library has many search computers, a desk for wireless LAN use, do-it-yourself copy machines (a total of five machines in the research support room, information research rooms, thesis rooms, and a support center for the disabled).

Policy:

The SNU Library is open on weekdays from 9:00 a.m. to 9:00 p.m., and from 9:00 a.m. to 5:00 p.m. on Saturdays and holidays. The library may be used according to the SNU library rules and regulations.

Name	Location	Area(m ²)	# of Seats	Name	Location	Area(m ²)	# of Seats
Study Room 1	1F	1,316	927	Help Desk	4F	-	-
Study Room 2	2F	825	408	Head Librarian's Office	"	-	-
Study Room 3A	3F	881	494	Administration Support Team	"	-	-
Study Room 3B	"	850	508	Staff Meeting Room	"	-	-
Binding Room	"	300	-	Books	5F	4,466	46
Machine, Electrical Room	"	-	-	Degree Theses	"	656	20
Corner Store	"	-	-	Special Resources	"	150	4
Bag Check	"	-	-	Study Room 5	"	900	512
Reference Room	4F	950	45	Old Books and Documents	6F	1,634	15
Group Study Room	"	-	3 Rooms	Valuable Books and Documents	"	108	-

Name	Location	Area(m ²)	# of Seats	Name	Location	Area(m ²)	# of Seats
Periodicals Room	"	643	90	Books	"	217	-
Yearly Publications Room	"	1,575	25	Newspaper Resources	"	569	18
International Organizations Room	"	231	12	Bardic Resources	"	-	39
Information Support Room	"	394	50	Micro Resources	"	-	7
Information Search Room	"	176	92	Study Room 6	"	1,162	736
Information Management Center	"	-	-	Department of Receiving and Organizing Documents	"	-	-
Main Accounts Room	"	-	-	-	-	-	-

Table 64 Seoul National University Library

Category	Hours	
	Monday - Friday	Saturday . Holidays (Sundays excluded)
Books, resources, periodical publications, yearly publications, research support center, liberal education information center, information research center, main desk for checking out and returning books	09:00 - 21:00	09:00 - 17:00
Other Rooms	09:00 - 18:00	-Regular Study Room 06:00 - 23:00 (Study Room 3 is open 24 hours a day)

Table 65 SNU Library Hours

H1-2 Architecture Library

The Department of Architecture currently operates the Architecture Library in room 538 of building #39. It has an area of 148.2 m² and can accommodate approximately 20 people. The goal of the Architecture Library is to provide students with access to the specialized knowledge base of the field. The Architecture Library holds all of the master and doctoral theses from the Department's graduates. All references in the Architecture Department are connected to the SNU library's database, making it possible to search both libraries through the internet.

The Architecture Library has 25,000 books in 6,100 categories, 64 kinds of periodicals, and various academic journals and dissertations. The categories are as follows,

- A: Dictionaries, video and image resources, and other research materials
- B: degree dissertations
- C: individual volumes of books
- D: donated books
- E: periodical publications.

Individual books may be checked out for one week at a time, and periodicals may not be taken out of the library. The So-Woo collection of books (books that have been donated by Professor Emeritus So-Woo Chang-Seop Yoon) and Il-Sang collection of books (books that have been donated by professor Kwang Hyun Kim) do not circulate.

The library is equipped with two computers, for searching and scanning (Pentium 4 2.8G, 768MB RAM), one printer(HP Deskjet 1220), one water purifier(Chungho Etrebien), one copy machine(Lotte Canon IR400G), and one scanner(HP Scanjet 3670, A4 size).

The rules and regulations for library use are the same as those for the SNU library. The classification and search system have been integrated into the larger SNU library's database, but students outside of the Department of Architecture may not check out books from the Architecture Library. Architecture students may check out up to five books for 10 days at a time, and receive one extension. The architecture library is open from 9:00 a.m. to 5:00 p.m. on weekdays, and it closed on weekends and holidays. A dedicated librarian manages the Library.

H2 Number of Books and Periodicals per Library

Category Code	Name of Category	Book(Domestic/Foreign)		Periodical(Domestic/Foreign)		TOTAL	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
000	Total	115,389	60,415	79,421	3,672	194,810	64,087
100	Philosophy	75,774	46,394	10,822	698	86,596	47,092
200	Religion	53,365	35,633	6,758	982	60,123	36,615
300	Social Sciences	525,503	350,153	201,211	12,512	726,714	362,665
400	Linguistics	59,685	34,253	16,157	997	75,842	35,250
500	Pure Science	172,105	110,113	154,497	4,056	326,602	114,169
600	Technology & Science	324,624	200,895	130,885	7,871	455,509	208,766
700	The Arts	111,205	68,148	22,529	1,330	133,734	69,478
800	Literature	176,805	94,121	15,315	1,063	192,120	95,184
900	History	146,117	71,406	57,526	4,322	203,643	75,728
TOTAL		1,760,572	1,071,531	695,121	37,503	2,455,693	1,109,034

Table 66 SNU's Collection of Books and Periodicals

Category	Book		Periodical		TOTAL	
	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
SNU Library	81,333	46,455	20,682	1,045	102,015	47,500
Dept. Library	11,377	6,106	5,390	60	16,767	61,166
TOTAL	92,710	52,561	26,072	1,105	118,782	108,666

Table 67 SNU Library and Architecture Library's Collection of Books and Periodicals

H2-1 Seoul National University Library

Number of volumes

The SNU Library has a total of 1,770,572) volumes (Korean and international) in 1,071,531 categories (refer to Table-68). The total number of books related to architecture is 81,333 volumes in 46,455 categories, which comes to about 4% of the total collection.

Category Code	Name of Category	# of volumes	# of categories
000	Total	115,389	60,415
100	Philosophy	75,774	46,394
200	Religion	53,365	35,633
300	Social Sciences	525,503	350,153
400	Linguistics	59,685	34,253
500	Pure Science	172,105	110,113
600	Technology and Science	324,624	200,895
700	The Arts	111,205	68,148
800	Literature	176,805	94,121
900	History	146,117	71,406
TOTAL		1,760,572	1,071,531

Table 68 SNU Library's Collection of Books

Category Code	Name of Category	# of volumes	# of categories
690	Architectural Engineering	7,797	4,530
700	The Arts	21,222	11,887
710	Landscape Architecture and City Planning	15,382	6,097
720	Building Strategies	13,028	7,762
730	Sculpture & Modeling	4,328	3,028
740	Drawing, Decorative Art	6,219	4,261
750	Painting	10,460	6,816
760	Printing, Engraving	898	612
770	Photography	1,999	1,462
TOTAL		81,333	46,455

Table 69 SNU Library's Collection of Books Related to Architecture

Serials and Indexing

The SNU Library has a collection of 37,503 periodical publications in 695,121 categories (refer to Table-70). Out of these, there are 1,045 volumes in 20,682 categories of periodicals that relate to architecture, which comes to about 2.7% .

Category Code	Name of Category	# of volumes	# of categories
000	Total	79,421	3,672
100	Philosophy	10,822	698
200	Religion	6,758	982
300	Social Sciences	201,211	12,512
400	Linguistics	16,157	997
500	Pure Science	154,497	4,056
600	Technology and Science	130,885	7,871
700	The Arts	22,529	1,330
800	Literature	15,315	1,063
900	History	57,526	4,322
TOTAL		695,121	37,503

Table 70 SNU Library's Collection of Periodical Publications

Category Code	Name of Category	# of volumes	# of categories
690	Architectural Engineering	2,425	115
700	The Arts	8,208	391
710	Landscape Engineering and City Planning	1,727	78
720	Building Strategies	5,366	153
730	Sculpture & Modeling	249	36
740	Drawing, Decorative Art	1,366	159
750	Painting	512	35
760	Printing, Engraving	129	21
770	Photography	700	57
TOTAL		20,682	1,045

Table 71 SNU Library's Collection of Periodical Publications Related to Architecture

H2-2 Individual College and Graduate School Libraries

Number of Volumes:

There are a total of 12,083 volumes in 7,579 categories of books related to architecture in all other college and graduate school libraries at SNU. The College of Agriculture Library, the Department of Landscape Architecture Library, and the Graduate School of Environmental Studies Library have 10,831 volumes in 6,659 categories.

Category/ Code	Name of Category	Business Library/Institute of Economic Research		Department of Art History		Department of Korean History		Department of Korean Language Education		Department of Korean Language and Literature	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering	5	5	1	1						
700	The Arts	4	4	10	10			3	3	2	2
710	Landscape Architecture & City Planning	8	4	4	3	1	1			2	2
720	Building Strategies	8	8	44	42	24	18			2	2
TOTAL		25	21	59	56	25	19	3	3	6	6
Category/ Code	Name of Category	School of Mechanical and Aerospace Engineering		Department of Russian Language and Literature		Department of Agricultural Economics		Research Institute for Agriculture and Life Sciences		Agriculture and Life Sciences Library	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering	20	9					1	1	300	178
700	The Arts			1	1					18	4
710	Landscape Architecture & City Planning					3	3	19	9	1761	1354
720	Building Strategies	2	1							254	202
TOTAL		22	10	1	1	3	3	20	10	2,333	1,738
Category/ Code	Name of Category	Atmospheric Sciences		Department of German Language Education		Department of German Language and Literature		German Studies Institute		Russian Studies Institute	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering	1	1								
700	The Arts			3	3	3	3	4	4	1	1
710	Landscape Architecture & City Planning					1	1				
720	Building Strategies			1	1	1	1	5	5	6	6
TOTAL		1	1	4	4	5	5	9	9	7	7

Category/ Code	Name of Category	American Studies Institute		College of Art		Department of Aesthetics		Museum		Law Library	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering			1	1	38	31	9	8	3	3
700	The Arts	9	8	84	72			165	83		
710	Landscape Architecture & City Planning	3	2	6	5			15	14	8	8
720	Building Strategies	7	7	61	52	1	1	231	170	2	2
TOTAL		19	17	152	130	39	32	420	275	13	13
Category/ Code	Name of Category	Graduate School of Public Health		College of Education Scholarly Information Center		Social Library		Social Development Institute		Research Institute of Human Ecology	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering					1	1				
700	The Arts			1	1	13	12				
710	Landscape Architecture & City Planning	1	1	1	1	63	17	3	2	1	1
720	Building Strategies			1	1	43	38				
TOTAL		1	1	3	3	120	68	3	2	1	1
Category/ Code	Name of Category	Department of Western History		Fiber Polymers		Mathematics Library		Department of Linguistics		Institute for Gender Research	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering	1	1	1	1						
700	The Arts	2	2					2	5		
710	Landscape Architecture & City Planning							1	1	1	1
720	Building Strategies	1	1	1	1	1	1	3		1	1
TOTAL		4	4	2	2	1	1	6	6	2	2

Category/ Code	Name of Category	Department of History Education		Department of Clothing		Medical Library		Humanities Research Institute		School of Materials Science and Engineering	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering					4	4			2	2
700	The Arts					2	1				
710	Landscape Architecture & City Planning					14	10				
720	Building Strategies	4	4	3	3	33	13	1	1		
TOTAL		4	4	3	3	53	28	1	1	2	2
Category/ Code	Name of Category	School of Electrical Engineering and Computer Sciences		Department of Landscape Architecture		Department of Naval Architecture and Ocean Engineering		Department of Religion		Department of Civil, Urban, and GeoSystem Engineering	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering	2	2	11	8	5	5			1	1
700	The Arts							1	1		
710	Landscape Architecture & City Planning			1467	1013						
720	Building Strategies	1	1	33	28	9	9	1	1	1	1
TOTAL		3	3	1,511	1,049	14	14	2	2	2	2
Category/ Code	Name of Category	Natural Products Research Institute		Dental Library		Research Institute for Korean Culture		Department of Ocean Engineering		Graduate School of Public Administration	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering							1	1	5	4
700	The Arts									1	1
710	Landscape Architecture & City Planning	2	2					3	3	101	88
720	Building Strategies			1	1	16	12			40	15
TOTAL		2	2	1	1	16	12	4	4	147	108

Category/ Code	Name of Category	School of Chemical and Biological Engineering		Environmental Education Collaboration Process		Graduate School of Environmental Studies		TOTAL	
		# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories	# of volumes	# of categories
690	Architectural Engineering	3	3			322	235		
700	The Arts					6	6		
710	Landscape Architecture & City Planning	2	2	13	13	6162	3265		
720	Building Strategies	4	4			497	366		
TOTAL		9	9	13	13	6,987	3,872	12,083	7,579

Table 72 Architecture Related Books in Each College/Graduate School Library

H2-3 Architecture Library

Number of Volumes

The architecture library has 11,377 volumes in 6,106 categories (refer to Table-73). This includes not only books related to architecture, but also books on art, philosophy, and the humanities in general.

Category Code	Name of Category	No. of Volumes	No. of Categories
690	Architectural Engineering	3,737	1,869
700	The Arts	546	283
710	Landscape Architecture & City Planning	498	376
720	Building Strategies	6,191	3,294
730	Sculpture & Modeling	26	21
740	Drawing, Decorative Art	300	192
750	Painting	48	43
760	Printing, Engraving	6	3
770	Photography	25	25
TOTAL		11,377	6,106

Table 73 The Department of Architecture Library's Collection of Books

Serials and Indexing

It has 5,390 periodical publications in 60 categories from countries such as Korea, the U.S.A., Italy, Spain, and Japan (refer to Table-74). The number of publications per category are as follows.

Category Code	Name of Category	No. of Volumes	No. of Categories
690	Architectural Engineering	2,243	20
700	The Arts	395	3
710	Landscape Architecture & City Planning	58	4
720	Building Strategies	2,672	30
730	Sculpture & Modeling	-	-
740	Drawing, Decorative Art	22	3
750	Painting	-	-
760	Printing, Engraving	-	-
770	Photography	-	-
TOTAL		5,390	60

Table 74 The Department of Architecture Library's Collection of Periodical Publications

H3 Visual Resources and Non-book Resources per Library

H3-1 The Seoul National University Library

Visual Resources and Non-book Resources

The list and number of visual resources and non-book resources are as follows
(refer to Table-75)

Name of Category	Amount	Type of Resource	Name of Category	Amount	Type of Resource
Electronic Journal	16,003 kinds	Electronic	Old Books	2,351	Non-Book
Web DB	75 kinds	Electronic	CD	2,531	Non-Book
CD ROM	45 kinds	Electronic	Video Casette	5,386	Non-Book
E-BOOK	12,004 kinds	Electronic	CD-ROM	3,012 kinds	Non-Book
MicroFilm	9,789 rolls	Non-Book	DVD	1,112 kinds	Non-Book
Microfiche	64,374	Non-Book	Computer Diskette	10	Non-Book
Audio Albums	1,136	Non-Book	Slide Film	63 sets	Non-Book
Recording Tape	742	Non-Book			

Table 75 Audio-visual and Non-book Resources in the SNU Library

H3-2 Architecture Library

Visual Resources and Non-book Resources

The architecture library has over 240 visual resources in 67 categories, and 1,467 visual documentaries in 41 categories (refer to Table-76, 77). The visual resources

include videos on architects, lectures, reports, manuals and reports on buildings, exhibits from other schools, and videos on the history of architecture. Visual documentaries deal with a wide range of topics.

Name of Category	Amount	# of Categories
CD Resource	49	32
8m Video Tape	18	2
VHS Video Tape	163	27
Cassette Tape	10	1
Slide Film	a lot	5
TOTAL	240	67

Table 76 Audio-visual Resources in the Architecture Library

Name of Category	Amount	# of Categories
CD	9	4
8m Video Tape	22	9
6m Video Tape	14	6
Photograph	1,422	22
TOTAL	1467	41

Table 77 Audio-visual Documentaries in the Architecture Library

H4 Librarians (each, Full or Part Time)

H4-1 The Seoul National University Library

The organizational structure of the SNU library can be divided into three parts: the Receiving Department, the Information Management Department, and the Administrative Support Team. The Receiving Department is made up of 35 members who work on receiving material, registering data, exchanging and receiving data, and organizing both Korean and international books. The Information Management Department, comprised of 37 members, is in charge of all the books and resource rooms. The nine members of the Administration Support Team take care of general affairs, government affairs accounting, and business related to the physical goods.

H4-2 Architecture Library

Since 1993, Professor Kwang Hyun Kim has been the Head of the Architecture Library. He is in charge of purchasing decisions and the overall budget. The Library employs one full-time librarian and one part-time employee to organize and categorize books. The librarian is in charge of the overall management of the library. The part-time employee takes care of organizing the books and references. There is also a part-time student employee, appointed by the school, who works 10 hours a week for a total of 40 hours a month.

H5 Library Search Tools

H5-1 Seoul National University Library

Students may access the SNU library's website at <http://library.snu.ac.kr> both on and off campus to search for the information they need. Inside the library, there are many computers in the main lobby (fourth floor), on each of the other floors and in the study rooms. From this search engine, students can find resources that are located not only in the SNU libraries but also theses from universities all over the country, information on other university libraries, and resources from foreign university libraries.

Users can receive information on where a particular book or resource is located through the search engine; find the source, and check it out through the fourth floor check-out center. They can return checked out materials through the third or fourth floor book return centers.

H5-2 Architecture Library

Students may access the SNU library's website at <http://library.snu.ac.kr> both on and off campus to search for the information they need. Inside the Architecture Library, they may also use the two computers available. Users may search for resources by using a bibliography card or a computer channel. The computer channel search system can be accomplished with information such as the author's name, the book title, keywords, part of the author's name, or publisher. The results can be printed out, and the book can be found on the open shelves according to the organizational system.

H6 The Budget and Financial Support

H6-1 Architecture Library

Budget

The architecture library is operated with the help of financial donations from various industries and through book donations by alumni. One full-time administrative employee is supported by the Alumni Association's donations (refer to Table-78).

Year	Name	Name of Corporation	Amount
1999	1)Han, Hyun Ho(29th)	Gunwon International Architects Planning & Engineering	2,000,000 won
	2)Entire Alumni Association(28th)	Homecoming Sponsors	1,000,000 won
	3)Yoon, Seung Joong.Byun, Yong	Wondoshi Architects Group(Funding for Foreign Publications)	3,460,000 won
	TOTAL AMOUNT		6,460,000 won
2000	1)Han, Hyun Ho(29th)	Gunwon International Architects Planning & Engineering	1,000,000 won
	2)Yoon, Seung Joong.Byun, Yong	Wondoshi Architects Group(Funding for Foreign Publications)	3,560,000 won
	TOTAL AMOUNT		4,560,000 won
2001	1)Han, Hyun Ho(29th)	Gunwon International Architects Planning & Engineering	1,000,000 won
	2)Moon, Hong Kil(34th)	Haud Architects, Planners, and Engineers	4,000,000 won
	3)Yoon, Sae Han(37th)	Haeahn Architecture, Inc.	5,000,000 won
	4)Chung, Young Kyoon(39th)	Heerim Architects and Planners	5,000,000 won
	5)Entire Alumni Association(30th)	Homecoming Sponsors	1,000,000 won
	6)Yoon, Seung Joong.Byun, Yong	Wondoshi Architects Group(Funding for Foreign Publications)	3,236,000 won
	TOTAL AMOUNT		19,236,000 won
2002	1)Kim, Jong Kook(23rd)	Kunwon Architects, Planners, and Engineers	2,000,000 won
	2)Kim, Jong Hoon(27th)	Hanmi Parsons, Inc.	1,000,000 won
	3)Seung, Hyo Sang(29th)	Iroje Architects and Planners	3,000,000 won
	4)Han, Hyun Ho(29th)	Gunwon International Architects Planning & Engineering	1,000,000 won
	5)Oh, Sum Hoon(34th)	Space Group	2,000,000 won
	6)Moon, Hong Kil(34th)	Haud Architects, Planners, and Engineers	1,000,000 won
	7)Sung, Kun Kyung(35th)	Hankil Architects and Engineers	2,000,000 won
	8)Chun, Sang Ho	Parent of students Chun, Bo Rim and Chun, Bo Kyung	10,000,000 won
	9)Entire Alumni Association(31st)	Homecoming Sponsors	1,000,000 won
	10)Yoon, Seung Joong.Byun, Yong	Wondoshi Architects Group(Funding for Foreign Publications)	3,236,000 won
	TOTAL AMOUNT		26,236,000 won

Year	Name	Name of Corporation	Amount
2003	1)Kim, Jong Kook(23rd)	Kunwon Architects, Planners, and Engineers	2,000,000 won
	2)Han, Hyun Ho(29th)	Gunwon International Architects Planning & Engineering	1,000,000 won
	3)Entire Alumni Association(32nd)	Homecoming Sponsors	1,000,000 won
	4)Yoon, Seung Joong.Byun, Yong	Wondoshi Architects Group(Funding for Foreign Publications)	2,966,000 won
	TOTAL AMOUNT		6,966,000 won
2004	1)Yoon, Seung Joong(14th).Byun, Yong(20th)	Wondoshi Architects Group(Funding for Foreign Publications)	2,966,000 won
	2)Kim, Jong Kook(23rd))	Kunwon Architects, Planners, and Engineers	2,000,000 won
	3)Han, Hyun Ho(29th)	Gunwon International Architects Planning & Engineering	1,000,000 won
	4)Lee, Tae Young(30th)	JEON AND PARTNERS	1,000,000 won
	5)Entire Alumni Association(33rd)	Homecoming Sponsors	1,000,000 won
	6)Kwon, Moon Sung(37th)	Atelier 17 Architects and Associates	10,000,000 won
TOTAL AMOUNT		17,966,000 won	
2005	1)Yoon, Seung Joong(14th).Byun, Yong(20th)	Wondoshi Architects Group(Funding for Foreign Publications)	3,296,000 won
	2)Lee, Tae Hyung(30th)	JEON AND PARTNERS	1,000,000 won
	3)Han, Hyun Ho(29th)	Gunwon International Architects Planning & Engineering	2,000,000 won
	4)Entire Alumni Association(34th)	Homecoming Sponsors	10,000,000 won
	5)Song, Hyo Won(29th)	Hyundai Engineering & Construction Co., LTD.	20,000,000 won
TOTAL AMOUNT		36,296,000 won	

Table 78 Library Donations from the Department of Architecture's Alumni Association

H7 Digital Information Source-AURIC (www.auric.or.kr)

The Architecture & Urban Research Information Center (AURIC), attached to the Department of Architecture, is a professional research information center. It was created by the Korea Science and Engineering Foundation (under the Ministry of Science and Technology) in 1997, and is currently located on the SNU campus. AURIC is located in room 439 of building #39 (with a total floor space of 121.68 m²). The center offers 21 architecture-related databases for free on the internet. Its goal is to promote the effective use of information by providing architecture related bodies and institutions with research and education information from all over the world. Students of this program can receive research information and materials in their area of study. The main duties of AURIC are as follows.

- The integrated compilation of architecture-related research information (documents)
- The establishment of research information and manpower databases
- The building of an image database for the field of architecture
- The establishment of additional services for the effective use of research materials
- The construction of an integrated search engine

<http://www.auric.or.kr>

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College of Engineering, Seoul National University, 52-1, Shinli-mong, Kwanak-gu, Seoul, 151-747, Korea.

I Financial Resources

II Program Finances

II-1 Financial Organization

Not open to the public

II-2 Financial Changes within the Past Three Years

Not open to the public

I1-3 The Financial Program for Research Support

Not open to the public

II-4 The Financial Program for Student Support

Not open to the public

I2 Scholarship Program

Not open to the public

I3 Support for Facilities, Machinery, and Equipment

Not open to the public

I4 A Comparison of Yearly Financial Expenses

Not open to the public

J Research Activities

J1 A List of Projects being Supported by Research Funding

Not open to the public

J2 An Explanation on the Relationship Between Research Activities and the Curriculum in Need of Certification

The professors in the Department of Architecture are involved in a variety of research activities. A number of professors are currently working on large-scale national research projects such as the "Development of an Architectural Technology for the Construction of Skyscrapers" and the "Development of Technology for the Structure and Equipment of Old Age Apartment Houses". Projects with specific topics such as "The Establishment of a Basic Plan for the Graduate School's Research Complex", "The Establishment and Execution for the Design of the Consumer Participation Apartment Houses", and "Research for the Establishment of a Basic Plan for the Construction of a Research Center for Veterinary Engineering" are considered practical research projects. A project such as "The Continuation and Modification of the Phuong Organization in Hanoi, Vietnam" is considered to be an academic research project.

The planning and execution of the research projects in the Department involve graduate school student participation. On occasion, undergraduate students do participate in short-term projects. In most long term research situations, the work requires a great deal of background knowledge; most undergraduate students do not have the academic background to participate. However, the research environment that professors and graduate students create and work in does have a positive effect on the undergraduate student body. The subject of the research, the methods employed in the research as well as the practical applications of it, all contribute to the intellectual growth of the faculty which is reflected in their teaching.

J3 The Relationship between Research Activities and the Program Mission

The goal of research is to create and expand professional knowledge in architecture. Ultimately, all architectural research contributes to societal progress through the creation of outstanding architecture and urban environments. In this context, the research contributes to the cultivation of "public intellectuals"; a clearly stated goal in the Objectives of the Program. In other words, the research activities of the program will train students, especially at the graduate level, to develop themselves into professionals who are sensitive to human and societal needs, and who go on to improve and change the physical environment in creative ways. Research activities also broaden the student intellectual community since the research develops and utilizes the most advanced architectural, theoretical and engineering techniques and methodologies in architecture.