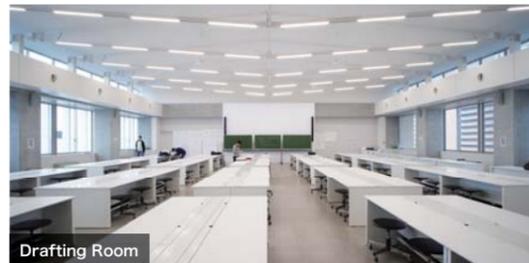




Student Lounge



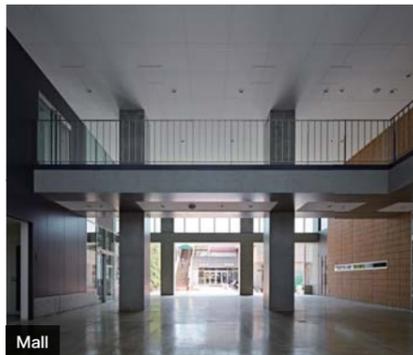
Double skin



Drafting Room



Hall



Mall

Learning in a state-of-the-art building

Studying architecture, students must gain knowledge about design, construction, materials, environment and facilities. Our students study in our state-of-the-art sustainable building, which is in and of itself educational material as the facilities are open for all to see. This building's design has incorporated many sustainable features – such as louvers, double-skinned siding and state-of-the-art air conditioning. With creatively integrated elements, students can effectively study and understand the original role of design with architecture.

New architecture and environment are created from the fusion of arts and science

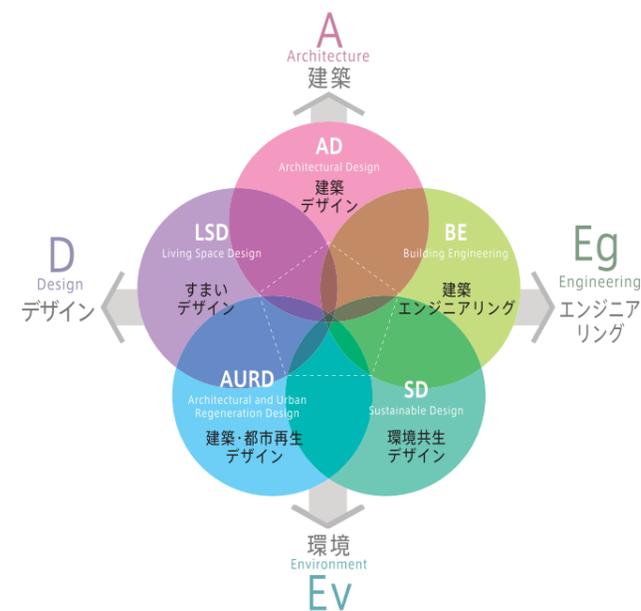


The study of architecture is both scientific and humanistic in nature, and a well-rounded curriculum provides students with ways to be a part of the world of architecture. Kanto Gakuin University's College of Architecture and Environmental Design has a curriculum frame focusing on two axes – one being the time continuum examining architecture from yesterday's past through tomorrow's future and the other being environment. With five course areas for specialization and a new state-of-the-art sustainable building for optimal learning, the College of Architecture and Environmental Design is dedicated to educating students to creatively and comprehensively meet the needs of society through architecture.

*Masayuki Otsuka, Dr. of Engineering,
Dean of the College of Architecture and Environmental Design*

Contact Information

Kanto Gakuin University College of Architecture and Environmental Design
1-50-1, Mitsuura Higashi, Kanazawa-ku, Yokohama-shi, Kanagawa-ken, 236-8501, Japan
E-mail : nyushi@kanto-gakuin.ac.jp
<http://arch-env.kanto-gakuin.ac.jp/en>



Design / Engineering
×
Architecture / Environment

The College of Architecture and Environmental Design is based on the ideas of "Design and Engineering" and "Architecture and Environment", challenging students to discover "Architecture and Environment" through various angles of education and research.



KANTO GAKUIN UNIVERSITY

College of Architecture and Environmental Design



First Year

Students from a humanities background can study with ease



▲ Design Class

Introduction to Science and Engineering

Understanding Architecture and Environmental Design

A fundamental understanding of science and engineering is needed for the study of architecture and environmental design. An overview of architectural design, structural design, materials, and facilities operations are taught in this course.

Architectural Design and Drawing I・II

Training of drawing and expression

Using actual blueprints of dwellings, students learn how to read and draw blueprints. All architecture and environmental design students take these two required courses as well as the subsequent courses in the second year.

Introduction to Architectural Planning and Design

Theory of planning and designing architecture

Students study architecture design through examining perception with shape, human dimension, comparative theories, space and human relations.

Basic Mathematics & Physics for Architecture

Gaining essential scientific knowledge for architecture

This course is for humanities-based students without a secure foundation in science. High school level mathematics and physics are reviewed, becoming a foundation for future study in these fields.

Modeling Workshop

Making architectural models

While learning the fundamentals of making architectural design models and essential presentation skills, students make various models and learn how to choose appropriate materials for these models.

Second Year

Trying various things both on and off campus



▲ Student's Work for CAD Practice

Architectural Planning

Project-based learning for architectural planning

Students first learn the basic aspects of architectural planning and spatial structures, and then they learn about communal housing and housing complexes. Projects are completed for each aspect introduced in the course.

CAD Practice

Learning 3D and presentation with personal computers

Drawings are created using CAD computer software. Techniques of modeling and rendering, adding a feeling of materials used and shadowing, allow students to create realistic 3D models with the latest technology.

Area Survey Workshop

Fieldwork: Examining towns and their environments

Walking through towns, students will learn ways to express what they have seen and experienced as well as how to present their findings. Discussing these experiences will help students be objective and re-examine designs.

Fundamental Study of Real Estate

Examining Architecture from the points of view of society and economics

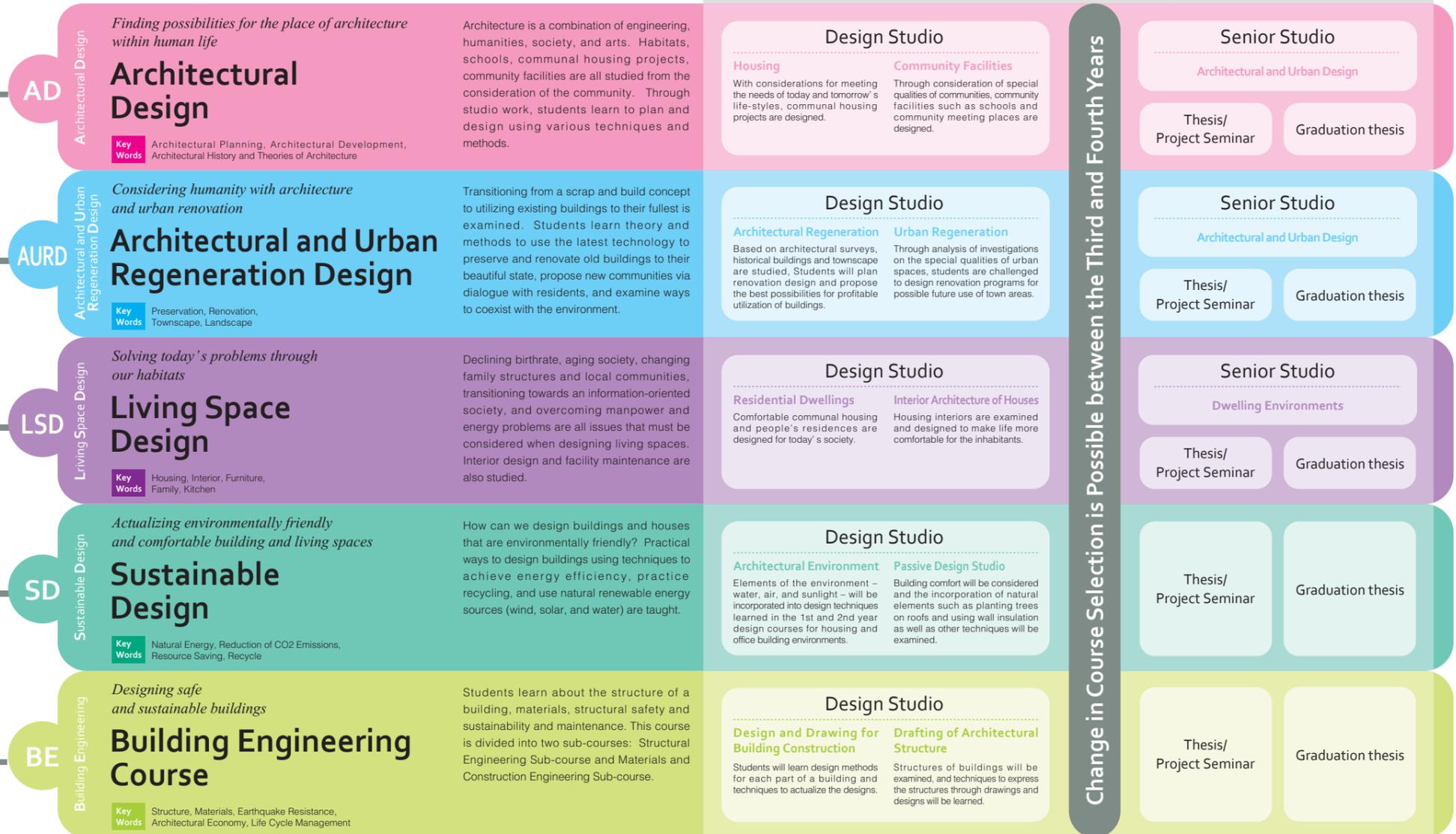
Societal and economic factors are important when considering architecture and environmental design. Economic, legal and environmental matters are discussed from the vantage point of land and architectural development.

Studies of Family

Re-considering the relationship between families and their habitats

When considering the designs of habitats, the relationships between individuals, families and societies are important. Differences between generations and the sexes, community traditions, the shrinking yet aging population, and today's advanced technological society must also be understood.

Course Selection



Elective Courses (Chosen according to each student's needs and interests)

Design		Structure		Building Construction Systems & Materials		Environmental Design and Facilities			
Theory and Method of House Design The function of "housing" as determined by people as well as the methods, techniques and processes of design are studied.	Urban design How cities come about and evolve is studied along with how to renovate urban areas.	History of Modern Architecture The relation between modern architecture and "now" is considered with a focus on the relationships between science, technology, culture, art, and society with architecture.	Structural Engineering Laboratory Experiments are conducted on major architectural structures such as reinforced concrete and steel construction, to test the performance of frames.	Fundamentals of Structural Analysis Transformation of building structures and their strength are analyzed through computer calculations.	Building Pathology Students learn methods to check for degradation of buildings and to maintain a building for longevity.	Facility Management Management methods to effectively and economically manage buildings are studied.	Theory of Architecture & Global Environment Students learn about the effects air, heat, water and light within a building have on the global environment so that environmentally friendly buildings can be built.	Architectural Environmental Energy Incorporation of state-of-the-art technology for clean energy use in buildings is considered for today's global environment.	Resource Recycling Methods for reducing waste in construction, recycling and reusing of materials and resources are considered in this course.

1 Event Introduction



Architecture Exposition

Each March, the college holds an architecture exposition in Yokohama's Minato Mirai District's Red Brick Warehouse #1. A long standing tradition, students join together with graduate students, faculty members and alumni to exhibit their models and designs as well as present their research papers and projects. Workshops, lectures and other activities are convened at this exposition. This annual event is one of the most successful events for the College of Architecture and Environmental Design.



2 Event Introduction



Eco·Concrete Canoe Competition

For over 38 years, a concrete canoe competition has been held at KGU. Canoes are hand-made from concrete and judged for their beauty and speed. The 600 meter race is held in the Jiyu River in front of KGU's front gate. Participants from Kanto area universities design, make and race their original canoes.



3 Event Introduction



International Exchange

Annually students attend Pacific National University's (Khabarovsk, Russia) international forum. Students present their research findings and participate in competitions and workshops. Students have also visited Gachon University in Korea to participate in workshops with Gachon University students. Guest lecturers also visit our campus. International exchange and collaboration with universities around the world is a focus of Kanto Gakuin University.