

Department of Housing and Interior Design

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The Graduate Program in the Department of Housing and Interior Design aims to achieve academic development by establishing a multidisciplinary academic foundation, building an infrastructure for consilience, and establishing active educational programs. Ultimately, the program seeks to promote individual and social health and well-being through residential environment research. The main areas of concentration include housing studies, interior design, environmental behavior, housing planning, facility management(FM), construction management(CM), housing and urban policy, and urban space analysis.

The Graduate program has two majors : (1) Housing and Interior Design Major, and (2) AgeTech-Service Convergence Major in the [BK21 Four] project. The Convergence major is designed to cultivate innovative talents for solving problems of human-centered elderly services and technologies in the super-aged society.

Degrees offered : Master's, Ph.D. and Combined Master's – Ph.D. Program

| Degree Requirements |

- A minimum of 24 graduate credits in Housing and Environment courses is required for the master's degree and 36 credits for the doctoral degree.
- Students have to pass a qualifying examination.
- Students must successfully complete a thesis presentation, final defense, and submit all required documentation to the Housing and Interior Design thesis committee.
- Any faculty member in the Department of Housing and Interior Design is eligible to serve as a thesis advisor.

| Courses |

Required Courses

Research Methodology in Housing and Interior Design, Statistical Analysis I

Elective Courses

Statistical Analysis II, Housing, Society and Culture, Special Topics in Housing Sociology, Studies in Korean Housing History, Housing Policy and Market Analysis, Land, Housing and Urban Management, Property Development and Financial Management, Special Topics on Integrated Housing Facility Management, Advanced Studies on Housing Facility Operation & Maintenance Management, Advanced Studies on Housing Construction Management, History of Interior Design, Interior Design Studio, Interior Coordination Studio, Color Study on Interior Environment, Housing Design and Culture of Southeast Asia, Advanced Housing Design Marketing, Design Studies on Contemporary Housing Community, Design Studies, Architectural New Media, Independent Study, Age-Friendly Communities for Sustainable

Aging, Theories for Healing and Therapeutic Space, Housing Demography and Future Cities, Urban Informatics and Smart Cities, Urban Policy and Planning for Human Settlement

Aging Services-Tech Convergence Major

Required Courses

Introduction to AgeTech-Service, AgeTech-Service Capstone, Research Method to AgeTech-Service

Elective Courses

AgeTech-Service Adoption, AgeTech-Service and Living Lab, Application of Natural products on Aging tech, Health promotion using AgeTech-Service, ICT-based smart nutrition management theory, Special Topics in Sensor Fusion for AgeTech, AgeTech data analysis based on Artificial Intelligence, Reinforcement Learning for Optimizing AgeTech Environments, Personalized and Precision Medicine, AgeTech eHealth and medical Service capstone in the future, AgeTech and Elderly Housing Facilities, AgeTech Human-Centered Design, AgeTech and Future Housing, (AgeTech-Service and Care Service in Older Adults, AgeTech-Service and Silver Economy, Latest Trends of Research Method for AgeTech-Service, AgeTech-Service Current Biotechnology Trend, AgeTech-Service Digital Health, AgeTech Intellectual Property, AgeTech-Service and Nutrition Service Management in Older Adults, AgeTech-Service and CareFood Development, Biomedical and Behavioral research Ethics in Innovation Research, AgeTech Global Trends and Industrial society, AgeTech Advance Statics, AgeTech-Service and STATA

| Faculty |

___ Seo Ryeong Ju, Ph.D. Seoul National University, 1995, Professor, Housing Planning, jcl@khu.ac.kr

___ Hyunjeong Lee, Ph.D. University of Minnesota, 2003, Professor, Housing Policy and Community Development, ecohousing@khu.ac.kr

___ Jun Ha, Kim, Ph.D. Georgia Institute of Technology, 2009, Professor, Integrated Facility Management(IFM), junhakim@khu.ac.kr

___ Ji Young Cho, Ph.D. University of Missouri, 2011, Professor, Environmental Behavior/Space Design, jcho@khu.ac.kr

___ Suyeon Bae, Ph.D. University of Minnesota, 2019, Associate Professor, Interior Design, sbae@khu.ac.kr

| Laboratories |

Asia Research Center for Housing Laboratory

Director : Dr. Seo Ryeong Ju

<http://www.archresearch.org>

ARCH is a research institute built as part of the future specialization strategy of Kyunghee University residential environment department. ARCH was established with the goal of integrating residential research that is dispersed in the Asian region through academic exchanges and developing the research results into international outcomes and establishing the uniqueness and expertise of residential research in Asia. It focuses on research and education centered on Southeast Asia among Asian regions. Currently, research is being carried out on various fields such as residential culture, lifestyle, residential type, residential design, interior design, housing policy and marketing for Southeast Asian countries such as traditional residence and modern residence, Research on comparative cultural perspectives within the region is also under way through the Southeast Asia Housing Forum.

Housing and Urban Affairs Laboratory(HUAL)

Director : Dr. Hyunjeong Lee

The Housing and Urban Affairs Lab(HUAL) provides various opportunities for interdisciplinary approaches to housing and urban studies, and many innovative initiatives on education and research have been designed to engage scholars and professionals in collaboration. In addition to the provision of international education programs, HUAL addresses

a wide array of distinctive research on housing and urban changes in comparative contexts. Specifically, HUAL deals with demographic transitions, housing transformations and urban issues(including urban sustainability and resilience, community health and spatial inequality) in a global society, and it concerns urban housing affairs in political economy, socio-cultural mechanisms, and other institutional/environmental dimensions. With the strong commitment to multidisciplinary and creative activities, HUAL explores urban dynamics related to housing system, public policy, and labor market that affect the behavioral choices and outcomes of stakeholders/actors in housing production/development, finance, consumption/distribution, social services and management.

Facility Management Laboratory(FM Lab.)

Director : Dr. Jun Ha Kim

Facility Management(FM) is an integrated field that combines people, places, processes, and technology to optimize the functionality of the built environment, enabling organizations to focus on their core objectives. Our interdisciplinary lab draws on expertise from Architectural Engineering, Business Administration, and workplace to pioneer sustainable and innovative FM practices. Our research focuses on developing strategies for Zero Energy Buildings(ZEB), advanced Facility Condition Assessment(FCA) for strategic planning, and performance-based outsourcing. We also specialize in creating Key Performance Indicators(KPIs), designing decision-making systems, and establishing effective operation and maintenance(O&M) models, particularly for Korean social and senior housing. Ultimately, our lab is dedicated to advancing the field of Facility Management by developing data-driven, sustainable, and innovative solutions for the built environment.

Human-centered Interior Environment Laboratory

Director : Dr. Ji Young Cho

<https://hielab.weebly.com>

Human-centered Interior Environment lab(HIE lab) focuses on understanding multifaceted human-environment relationships with human-centered approach through diverse methods and techniques, including EEG, eye-tracking, VR and AR technologies, and traditional research methods, ultimately aiming to help informed design decisions. For such aim, we try to identify environmental characteristics that enhance human response in perceptual, emotional, and behavioral level. Research Interests include (a) identifying characteristics of interior design for creative performance and healing process with neuroaesthetic perspective, (b) developing spatial ability training tool for space-relevant performance, and (c) Age-tech study supporting older adults' quality of life

Wellness and Ergonomics in Design(WEB) Laboratory

Director : Dr. Suyeon Bae

The Wellness and Ergonomics in Design(WEB) lab focuses on enhancing health and wellbeing through evidence-based design strategies in various built environments. Wellness and ergonomics for older adults focus on creating supportive and accessible environments that enhance comfort, safety, and independence, thereby promoting their overall health and quality of life. Wellness in the built environment can be significantly enhanced through evidence-based design strategies that prioritize human health and comfort. By focusing on factors like indoor environmental quality(IEQ), such as lighting, air quality, and acoustics, spaces can be optimized to improve both mental and physical well-being.