

Learning Objectives

Environmental Design Course, Department of Design

(A) Proactive Learning and Collaboration

- A-1. (Proactive Learning) Gather information and knowledge necessary to solve diversifying environmental problems independently, study, scrutinize and examine them creatively and critically, informed by deep expertise and a wide-ranging liberal arts education.
- A-2. (Collaboration) Understand diverse values through exchanging knowledge about nature, various cultures, societies and history and be motivated to work with others to solve problems from multiple perspectives.
- A-3. Apply strong writing, oral presentation, and discussion skills to communicate with the world and disseminate and absorb information efficiently.

(B) Knowledge and Understanding

- B-1. Apply knowledge acquired through courses that focus on the three areas, including general education, professional fundamentals and remedial education.
- B-2. Understand specialized knowledge, concepts, ways of thinking, and methods that form the foundation of design, and explain generic design literacy that goes beyond the specialization of each program.
- B-3. Understand specialized knowledge of architecture, urban and regional planning and design, and apply them to environmental design.
- B-4. Acquire knowledge of the history of architecture, cities and regions, and related fields and apply it to environmental design.
- B-5. Understand specialized knowledge in architecture technology and apply it to environmental design.
- B-6. Acquire specialized knowledge in green space conservation, planning and designing green spaces, urban and regional landscapes, and apply it to environmental design.
- B-7. Be aware of the diversity of societies rooted in different cultures and histories, and understand the roles and responsibilities of environmental design.

(C-1) Application and Analysis

C-1-International

Participate in cutting-edge design activities worldwide through learning theories, knowledge, and skills in general and specialized areas of design in English.

- C-1-1. Apply knowledge and understanding to investigate, recognize, and analyze environmental design issues logically based on scientific thinking skills.
- C-1-2. Apply knowledge and understanding to communicate information of plans and design contents of environmental design effectively with others.

(C-2) Evaluation and Creativity

C-2-1. Identify various constraints that need to be considered in environmental design.

C-2-2. Design, plan and implement systems holistically through imagination under given constraints of time, space, people and nature.

C-2-3. Work in teams to solve problems.

C-2-Integration.

Address and solve complex societal issues through collaboration with other disciplines while applying specialized knowledge comprehensively.

(D) Practice

D-1. Propose a spatial design that is concrete and appropriate for the environment, considering various conditions based on the usage, function, aesthetic appeal, and comfort of the space.

D-2. Realize a system that can achieve a sustainable society following the existing systems as a precondition based on the demands of society.

D-3. Generate a design proposal that effectively uses human resources, considering the continuity of systems or plans to maintain an optimum livable environment.