Learning Objectives

Design Futures Course, Department of Design

(A) Proactive Learning and Collaboration

A-1. (Proactive Learning) Identify problems independently, scrutinize and examine them creatively and critically, informed by deep expertise and a wide-ranging liberal arts education.

A-2. (Collaboration) Exchange diverse knowledge and work with others to solve problems.

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 and explain the theory, philosophy, and history of art and design and the various techniques of expression and their effects.

B-4. Understand and explain diversity, sustainability and the social research methods necessary to envision a desirable future society.

B-5. Understand and explain the basic concepts and design methods of algorithms and data structures and the critical conceptual theories in information science.

B-6. Understand and explain the commonality and diversity of life phenomena from the 'evolutionary' perspective and through observations and experiments.

(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. Gather information of diverse phenomena that exist in nature and society using scientific methods, analyze them using mathematical science

approaches, and distinguish the characteristics of the phenomena and
apply them to situations.

C-1-2. Visualize concepts, propose, plan and implement the design according
to design methodologies.

(C-2) Evaluation and Creativity

C-2-1. Create new designs that envision the future through the integration
and logical assembly of concepts, knowledge, ideas, and methods from the
humanities and social sciences, natural sciences, information sciences,
and artistic expression, without being bound by existing concepts.

C-2-Integration
Address and solve complex societal issues through collaboration with other
disciplines while applying specialized knowledge comprehensively.

(D) Practice

D-1. Envision a better future with rich imagination and deep insight, and
realize the vision through design and practice.