

Learning Objectives

Acoustic Design 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 interest in and independent study of knowledge in wide areas of history, thought, and art.
- 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-A Fundamentals of Acoustical Design. Acquire the sensitivity to sound necessary as a specialist in acoustic design and interpret the fundamentals of sound from various perspectives.
- B-3-B Sound Culture. Acquire the sensitivity to sound necessary as a specialist in acoustic design, understand and articulate the relationship between human mental activity and sound.
- B-3-C Acoustics Information Science. Acquire the sensitivity to sound necessary as a specialist in acoustic design, and understand the processing and transmission of sound as information, including hearing, speech, and music.
- B-3-D Acoustic Environmental Engineering. Acquire the sensitivity to sound necessary as a specialist in acoustic design and analyze and interpret sounds surrounding us from a human or physical point of view.

(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. Analyze, interpret, control, or compose sound by integrating sensitivity to sound and specialized knowledge in sound culture, acoustic environmental engineering, and acoustic information science to solve problems.

(C-2) Evaluation and Creativity

C-2-1. Formulate and evaluate original hypotheses based on a wide range of sound-related

C-2-Integration.

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

(D) Practice

D-1. Understand the relationship between art, science, and technology related to sound and human beings and society, and comprehensively and practically apply specialized knowledge to solve problems that exist in the real world.

D-2. Acquire an acute sensitivity to sound, a high level of specialized knowledge integrating with other fields, and comprehensive design skills to contribute to the realization of affluent life around the world by proper evaluation of sound, creating a human-friendly sound environment, and promoting a high quality of acoustic information.