

Descriptions of Courses

ST501 Theories and Methods in Science and Technology Studies I

In this course, students study theories and methodology that are needed in understanding science and technology Studies. We will mainly analyze the developments of modern and contemporary science and technology and deal with science and technologies of Europe, U.S., and Japan.

ST502 Theories and Methods in Science and Technology Studies II

This course contains the basic theories and methodology needed for Science and Technology Studies. We will mainly emphasize the analysis of problems of science and technology in contemporary society, based on the methods of social science, including areas such as sociology and study of policy.

ST511 Advanced History of Science and Technology

In this course, students conduct in depth studies of major topics in the modern and contemporary history of science and technology. This course will mainly deal with the history of physics and biology of the 19th and 20th centuries, and the history of technology and industry of the 19th and 20th centuries, and the history of science and technology of Korea since 1945.

ST521 Advanced Philosophy of Science and Technology

This course deals with the main issues of the philosophy of science and technology.

ST522 Ethical Issues in Contemporary Science and Technology

This course deals with the conflicts of ethics and values that accompany the development of contemporary science and technology. In particular, specific issues that appear in the area of high-end technology such as information-communication technology, bio-technology and medicine, and nano technology will be addressed.

ST531 Advanced Sociology of Science and Technology

This course deals with the main issues of the sociology of science and technology in depth.

ST532 Science, Technology, and Communications

This course will examine the theories, issues, and strategies of communications through various media that are related to science and technology.

ST541 Science, Technology, and Public Policy

This course focuses on helping students understand the basic concepts of the study of science, technology, and public policies and also aims to instill understanding of the current streams of theories and empirical analyses regarding the main issues of science-technology policies. We will deal with innovative activities, national innovation systems, the economic significance of basic science, and innovation and regional development.

ST542 Science, Technology, and Environment

This course will examine the main perspectives and issues of environment study in relation to science and technology.