

Graduate courses (Science/Engineering/ Environmental Studies) offered at ISEE

The following is a list of lectures and seminars taught by ISEE faculty members in the Graduate Schools of Science, Engineering, and Environmental Studies. Courses taught at each graduate school are also related to research at different graduate schools.

Course tree

Specialized Courses

The knowledge necessary to write a master's thesis can be obtained by taking specialized courses. Through discussions and presentations in seminars, students will acquire the logical thinking and writing skills necessary for writing a master's thesis.

Graduate School of **Environmental Studies**

Department of Earth and **Environmental Sciences**

Hydrospheric-Atmospheric Sciences Course Global Water Cycle

Seminar on Hydrospheric and Atmospheric Studies

[Meteorology] Atmospheric Physics Mesoscale Meteorology

[Hydroclimatology] Hydrometeorology

[Cloud and Precipitation Sciences] Studies on Water Environment Rader Meteorology Satellite Meteorology

[Oceanography] Physical Oceanography Geophysical Fluid Dynamics

[Atmospheric Chemistry] Physical Oceanography

Earth and Planetary Sciences Course Chronology and Natural History

Earth History Seminar

[Geochronology] Special Lecture on Earth History Geochronology

[Environmental History] Quaternary Geochronology

Graduate School of Science

Division of Natural Science Department of Physics (space-earth physics group)

Earth and Planetary Atmospheric Science Seminar Solar and Space Physics Seminar

Space Science Seminar Cosmic-ray Physics Seminar Heliospheric Plasma Physics Seminar

[Atmospheric and Environmental Science (AM)]

Physics and Chemistry of Middle Atmosphere Measurements in Middle Atmosphere Advanced course of Geoscience

[Space Science-Experiment (SSE)] Magnetospheric Physics

Ionospheric Physics Upper Atmospheric Physics

Atmospheric Chemistry

olar and Space Physics-Theory (SST)]

Plasma Astrophysics Solar Physics

[Cosmic-Ray Physics (CR)]

Cosmic-Ray Physics Experimental Cosmic-Ray Physics Research

Paleo Cosmic Ray Physics AstroParticle Physics

Basics of Statistics and Data Analysis

Heliospheric Plasma Physics (SW) Space-Earth Radio Science

[Atmospheric Chemistry] Physical Oceanography Atmospheric and Environmental Science] Atmospheric Chemistry

[hydroclimatology] Dynamics of the Sun-Earth-Life Interactive System 1 Atmospheric and Environmental Science] Advanced Course of Geoscience

> [Atmospheric and Environmental Science] Fundamentals of Advanced Physics 3

Graduate School of Engineering

Department of Electrical Engineering

Course of Seminar on Space Electromagnetic Environment

Seminar on Space Information Engineering Theory of Data Analysis and Processing

[Space Observation]

Advanced Lectures on Space Electromagnetic Environment

[Space Information Engineering] Advanced Lectures on Space Information Engineering Seminar on Space Observation

[Space Observation] Advanced Lectures on Space Electromagnetic Environment (Space Science-Experiment (SSE) Ionospheric Physics

> In [], the names of laboratories in each graduate school are separated by color.

Research, experimentation and study in the laboratory

Preparation of Master's thesis

Conduct research in each area of specialization, utilizing specialized knowledge learned in specialized courses master's course

Master's degree(Science/Engineering/Environmental Studies)

doctor's course

Preparation of Doctor's thesis

Furthering research in their respective areas of specialization

Doctor's degree (Science/Engineering/Environmental Studies)