Department of Mathematics

051-200-7206 http://math.donga.ac.kr

Introduction of the Department

Mathematics is the foundation of all scholarships in a knowledge-based society that changes day by day. As advanced science and technology determine national competitiveness, mathematics is also an essential discipline for national advancement. The department of mathematics aims to train excellent talented people who have the logical thinking ability and competence necessary for the development of science and high technology society and information technology society through the basic knowledge and concept about each field of mathematics and the research and education of the mathematical system.

Main Subject

University Mathematics I, Physics and Experiment I, General Biology, College Mathematics II, Physics and Experiment II, General Chemistry

Career after Graduation

Professional researchers, government agencies and investment institutions in various fields, banks, research institutes, planning division and electronic calculation offices in various businesses

Q&A

Q. What kind of support do you get when you enter the Mathematics Department?

In the Mathematics Department, graduate students are always in the office, so they will be available to help with class sessions and questions.

Specialty Program

Mathematics Vision Camp: All students are gathered for a special lecture on employment, mock interview, career aptitude test, and social gathering.

Department of New Materials Physics

051-200-7221 http://physics.donga.ac.kr

Introduction of the Department

It is a department that studies the disciplines and technologies related to the development of advanced materials such as new electronic materials, semiconductors, fine ceramics, and high performance composite materials on the basis of basic physics. Students studying new material physics are required to have scientific creativity, comprehension, engineering application and practical ability. Especially, it has a close relationship with electronics and information and communication industry, so graduates can advance to various related fields.

Main Subject

College Mathematics I, Physics and Experiment I, Chemistry and Experiment I, College Mathematics II, Physics and Experiment I, General Biology

Mechanics, Electronics, Physics Mathematics, Atomic Physics, Electronics Experiment II, Electromagnetics I, Modern Physics, Modern Physics Experiment, Quantum Mechanics, Wave and Optics, Thermal and Statistical Physics

Career after Graduation

Nuclear, Radiation (Research institutes, Intellectual Property Office), Nondestructive (Industry, Hospital), Physics and Engineering (R & D),

National and public research institutes or industrial research institutes, pharmaceutical companies and biotechnology companies, heavy chemical industry and petrochemical industry, analytical equipment manufacturing and trading industry, polymer chemistry industry

Q&A

Q. Who can be suitable to enter the New Materials Physics Department?

The Department of New Materials Physics is for studying the disciplines and technologies related to the development of advanced materials such as new electronic materials, nanostructured materials, fine ceramics, and high performance composite materials on the basis of basic physics, hence scientific creativity, understanding, engineering application and practical ability are required. Therefore, it is suitable for students who are interested in the principles of natural phenomena, students who are interested in materials science and electronics applications, students who are interested in principles and development of new technologies and tools.

Q. What are the characteristics of the New Materials Physics Department?

In the field of new material physics, based on the understanding of the physical properties of materials, we conduct research and education on theory and practice related to the development of new materials and measurement of physical properties. As a department which was newly established in 1998, it trains students in the fields of physics, materials science, electronics and instrumentation with the aim of fostering creativity and professional technical manpower. Instead of simple theoretical education at the university, field-oriented practical training for cooperation with the institute or industry is carried out. It has a close relationship with the electronics and information and communication industries that form the nation's key industries, and education on a wide range of related fields is also conducted. The new materials physics field has specialized and complex characteristics that can adapt to the rapidly changing industrial structure and technological innovation which changes day by day and can readily acquire such ability.

Specialty Program

industry inspection, special lecture on employment