

# Information Processing 3 (Basics of Data Base)

Syllabus Number

INF-103

Elective

2 credit

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## 1. Course Description

In today's society, where the use of computerized information processing systems has become widespread, we live in daily contact with a variety of information.

Making good use of this information can bring many benefits to our daily lives and business activities.

However, as a practical matter, there is a limit to the amount of information that an individual, faced with an enormous amount of information, can continue to select and process the information that is necessary for him or her.

This is where an information processing system called a database becomes an indispensable tool for complicated information processing.

In the past, the technology for organizing and storing large amounts of information, and utilizing the information stored on computers as needed, required high operating costs, equipment, and advanced knowledge of programming.

Nowadays, however, it is possible to easily build databases such as address lists, accounting management, inventory management, and library catalogs using inexpensive software.

For this reason, information processing systems today have become a familiar tool in our daily lives and are recognized as an essential technology that individuals need to acquire, required in a variety of industries and professions.

In this class, in addition to learning about databases, we will operate Microsoft Access, a widely used software, in a practical manner.

In each lecture, students will learn a series of work methods such as creating a store to collect data, linking with Microsoft Office-related software, and inputting, processing, extracting, and aggregating data.

In the end, the course aims to develop students' understanding of the basics of information processing system construction and to cultivate human resources who can handle information appropriately based on knowledge that cuts across the humanities and sciences.