

GEC provides Math courses for ALL STUDENTS, Social Science or Humanity especially, as a part of “Waseda–Academic Literacy”.

Mathematics is a strong tool not only in academy but also other world. However, many students learned it not enough in high school. These two courses request no preliminary knowledge. Basic mathematics: Calculating interest as an introduction to calculus and analysis, and Optimization problem for linear algebra. Mathematical structures: Algebraic structures with interesting applications.

Basic Mathematics

Calculating
Interest

Optimization
Problem

A (Elementary Courses)

◆Introduction to University Mathematics A (Calculating Interest)

Calculating Interest • Number Sequence • Exponential • Logarithm

◆Introduction to University Mathematics A (Optimization Problem)

Matrix • System of Linear Equations • Optimization Problem

The next level courses are following

B (Middle Courses)

◆Introduction to University Mathematics B (Calculating Interest)

Calculating Loan • Recurrence Relation • Limit

◆Introduction to University Mathematics B (Optimization Problem)

Inverse Matrix • Duality Theorem • Minimizing Problem

You can search the syllabus of these courses !

Keyword : Mathematics

Faculty : Global Education Center



Mathematical Structures

◆Amida-Kuji Game and Mathematics

You can study “abstract” concept of group theory “concretely” by taking “Amida-Kuji Game” as an example.

This course aims to understand the theory of abstract groups via familiar examples.

◆Cryptography and Mathematics

You can study the structure of integers via elementary number theory, and applications to cryptography.

This course aims to learn an attractive and fascinating world constructed by integers.