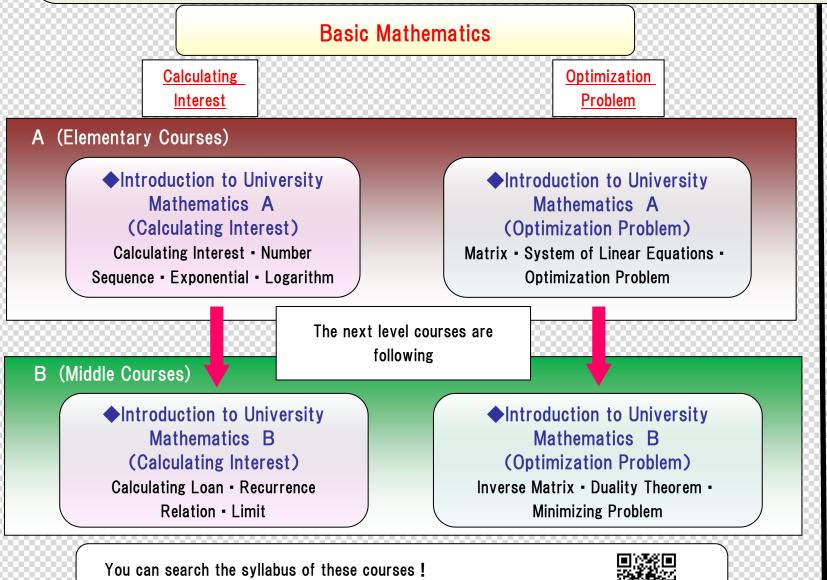
Global Education Center (GEC) Course Guide of Mathematical Thinking

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.



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.

Keyword: Mathematics Faculty: Global Education Center

