COURSE DETAIL

MATHEMATICS AND ITS HISTORY
Country Japan
Host Institution Doshisha University
Program(s) Japanese in Kyoto
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 50
UCEAP Course Suffix
UCEAP Official Title MATHEMATICS AND ITS HISTORY
UCEAP Transcript Title MATH & ITS HISTORY
UCEAP Quarter Units 3.00
UCEAP Semester Units 2.00

Course Description

Mathematics underpins virtually everything that we take for granted in our daily lives, and it is sometimes referred to as the “Queen of Science” due to its demands of logical rigor and cold calculations. However, despite its intimidating veneer, mathematics is the culmination of millennia of human endeavor. The purpose of this course is to give an accessible overview of some of the key developments in mathematics, covering the period from the time of the ancients, up to the early modern period. The course also provides an opportunity to apply historical mathematical methods to solve problems. While covering the well-known Greek, Chinese, Islamic, and European mathematicians, the course also addresses Japanese mathematics during the Edo period.

While the course includes written assignments, to properly understand and follow the thinking of the mathematicians, the course covers problem solving using historical mathematical methods. While a background in high-school level math is useful, an enthusiasm for critical thinking and problem solving could replace that prerequisite, since the mathematical concepts will be introduced as they were historically considered.

Language(s) of Instruction
English

Host Institution Course Number
N/A

Host Institution Course Title
MATHEMATICS AND ITS HISTORY

Host Institution Course Details
https://syllabus.doshisha.ac.jp/html/2024/9200/99200029000.html

Host Institution Campus
Doshisha University

Host Institution Faculty

Host Institution Degree

Host Institution Department
Global Education Module, Center for Global Education and Japanese Studies

Course Last Reviewed
2023-2024

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