This program aims at strengthening the capacity for mathematics curriculum development through learning the process of curriculum development and analyzing mathematics curriculum of own country. Through this course, participants are expected to be able to identify the challenges in developing curriculum and propose a ten-year plan encompassing assessment and development of specialists.

**Objective/Outcome**

**Objective**
To strengthen the capacity for developing mathematics curriculum through understanding the process of curriculum development based on the three perspectives (society, children, and subject matter) and developing a draft of revised mathematics curriculum.

**Outcome**
3. Develop a proposal for improving curriculum from the three perspectives: student, society and subject matter.
1. Analyze mathematics curriculum of own country.
2. Make a draft of revised mathematics curriculum one or two units.

**Contents**

**Preparatory Phase**
Participants will prepare an inception report that describes the content below.
1. List the current situation and challenges in mathematics curriculum of own country.
2. Address one of the challenges and conduct a research based on assessment.

**Lecture and Practice in Japan**
1. Revision process of syllabus and curriculum guidelines in respective countries.
2. Three perspectives for curriculum development: student, society and subject matter.
3. Analysis of mathematics curriculum in Japan and own country with a focus on structure and its academic background.
4. Development a draft of revised mathematical curriculum that addresses the process for curriculum development.
5. Presentation of a proposal to be implemented after returning home.