

Online Teacher Education Courses for SEAMEO School Network and SEAMEO CARES by the University of Tsukuba with Collaborations of Leading Researchers in the World

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Abstract

In 2006, CRICED began APEC Lesson Study Project for establishment of the platform for Inservice teacher education with Khon Kaen University, Thailand. The University of Tsukuba joined SEA-Teacher Project in 2020. Under Covid-19, these projects met the difficulty to engage in onsite activities. The University of Tsukuba established Japan Virtual Campus under MEXT. On these backgrounds, CRICED opened the online teacher education courses for SEAMEO School Network and SEAMEO CARES in 2021. The motto of the courses offered by CRICED is synchronization and standardization of teacher education under the newest and hot international demands. Public education is usually national matter and deeply depending on its cultural background and national reform issues. On the other hands, in OECD, SEAMEO and APEC provided international curriculum reform issues and each country began to synchronizing the issues under the necessity of people's mobility beyond borders. On this motto, for establishment of the course beyond boarders, CRICED set the course design principle to develop the course with collaboration of leading researchers in the world. This principle might be the same as SEAMEO centers' training program because they provide regionally and internationally accepted program even though they are funded by the budget of each country. The platform functions to support this synchronization in SEAMEO and APEC regions.

First online course is to develop mathematical thinking as for Higher Order Thinking using contents of the initiation of number and four arithmetic operations at lower elementary level. It developed with 8 universities and institutions which included RECSAM and SEAQIM. It consisted by 20 lessons, 45 mints each, with the annex of four country's reports. It implemented from March to June in 2021 with providing citification from CRICED. The course content were prepared for teachers, trainers and educators and total number of registered people is1559 from 18 countries and 259 people got the citification under their efforts for assignments on each lesson. It is also implemented at the master program of mathematics education at Khon Kaen University with credit. Indonesian edition is in process of development by SEAQIM. Second online course is the same issue with example of Fraction and Proportionality. It is developed 7 lessons, 90 mints each, by the manner of flip learning with using the textbook 'Fraction for Teachers' which emended Japanese theory. Explanation is written in the textbook and main online contents are solving exercise with reflection of textbook. Each lesson includes the guest presenter to show difference and discussions as for the activity of standardization of mathematics education theory. The number of registrars was 1381 from 22 countries and 299 people got the final certification.

Now, CRICED are preparing new courses in teacher education on the issues of Geography Education on Social Study, International Bacculaureate Program as well as further courses for mathematics education.