

**COURSE : Study on Technologies of the  
Preservation and Remediation of Water Environment**

**Summer Program 2019**

**COURSE TUTOR**

Professor Koichiro SHIOMORI, Faculty of Engineering, University of Miyazaki

**COURSE OVERVIEW**

This course will seek to offer students an introduction to Japanese technologies of the preservation and remediation of water environment through some lectures, experiments in the laboratory, and field trips. The course will be divided into three parts.

Part I will give some lectures on water processing technologies and actual systems of the supplying water in urban areas and the wastewater from industries and urban areas, fundamentals and recent technologies of environmental analysis, and environmental pollutions and their mitigation technologies of heavy metals and arsenic in Asia.

Part II of the course will provide experiments to measure water quality with analytical equipment in the laboratory.

Part III of the course will provide field tours to the research center for environmental analysis and the waste water treatment factory of Miyazaki city.

By the end of the course, students will have an awareness to solve various environmental problems in each country, as well as a basic knowledge of preservation and remediation of environment of Japan.

**TEXTBOOKS AND READINGS**

There will be no sets of text book for this course. Required handouts and materials will be distributed in each lecture, experiment and field tour.

**COMMUNICATIONS**

The course tutor's details are as follows:

**Office:** Building A of Faculty of Engineering, Room A610 and A612

**Tel:** 0985-58-7309

**E-mail:** shiomori @cc.miyazaki-u.ac.jp