

FOLENS Syllabus

Subject Title: 物質生物計測講座特別講義Ⅲ
Advanced Green Technology
[Special Lecture of Advanced Analytical Science Ⅲ]

Subject Category:	Green Technologies	Department	AC	Credit	2	Code	1080229
Semester	First/Spring	Day(s)/Period(s)	Intensive				
Class Format	Lecture		Location				
Instructor	米田 健一 [YONEDA Kenichi]						
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■Outline & Target

I will take the waste management that is one of the environmental problems in Asian countries as this lecture topic and educate the students to be a FOLENS through waste management technology according 3 items below,

1. Studying about waste management of the world.
2. Investigation into the Kitakyushu Eco-Town/Next Generation Energy Park and discussion about the waste management of Japan.
3. Through my experiences of waste management in Japan, Thailand, Sri Lanka and Vietnam, I could tell and show the Asian countries environment problems and consider together the countermeasure of these issues.

■Standard

I will educate the students to be a FOLENS through waste management technology

■Course description

This course will be conducted in English.

The lectures will be cover the contents shown below,

1)2): May 8 (Wednesday) 13:00-14:30/14:45-16:15

L1212, Building12, Koganei Campus

- Orientation (Guidance/ Grouping of the students) and lecture about the waste management of the world
- Lecture about the waste management of Japan

3)4): May 10 (Friday) 13:00-14:30/14:45-16:15

L1212, Building 12, Koganei Campus

- Lecture about my practiced monitoring/remediation of landfill and compost of garbage at REO8 in Thailand
- Explanation and preparation of Kitakyushu Eco-Town study

5)6)7): May 15(Wednesday) 9:00-18:00

Investigation into the Kitakyushu Next Generation Energy Park and studying 3 green technologies as below,

- Coal gasification technology facility
- 1000KW Mega-Solar power plant
- 10 Units windmill

8)9)10)11)12): May 16 (Thursday) 9:00-18:00

Investigation into the Kitakyushu Eco-Town & Environmental Museum and studying 5 green technologies as below,

- Waste home appliances recycling
- Waste vending machine recycling
- The Road of the Earth
- Waste automobile recycling
- Waste OA equipment recycling

13)14): May 17 (Friday) 13:00-14:30/14:45-16:15

L1212, Building 12, Koganei Campus

- Organize the waste management of Kitakyushu Eco-Town and Next Generation Energy Park study (Report should be submitted about Kitakyushu Eco-Town and Next Generation Energy Park study)
- Lecture about the waste management of the United State

15)16): May 22 (Wednesday) 13:00-14:30/14:45-16:15

L1212, Building 12, Koganei Campus

- Lecture about the waste management of the EU
- Lecture about my experienced municipal solid waste management in Sri Lanka and Vietnam

17)18): May 24(Friday) 13:00-14:30/14:45-16:15

L1212, Building 12, Koganei Campus

- Discussion about the studied waste management of the Asian countries
- Organize the waste management and propose new method to solve the problem of waste management in one Asian country (Report must be submitted about waste management in one Asian country)

■ Prerequisites

General knowledge of environment problem in Japan

Knowledge about waste management in Japan

■ Textbook(s)

Municipal Solid Waste Management in Asia and the Pacific Islands

■ Evaluation standards

Investigate into the Kitakyusyu Eco-Town and Next Generation Energy Park, minimum 4 days attendances from 7 days and submission 2 Reports

■ Course keywords

Environmental problem, Environmental issue, Waste, Waste management, MSW (Municipal Waste Management)

■ Language

English

■ Last update

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