

(Course Title) Special Lecture on Comparative Agricultural Studies 7	(Group) M1 students or above (Number of credits) 1
(Affiliated department) Graduate School of Agriculture (Job title) Associate Professor (Name) Katayama	(Course offered period) Fall Semester, 2023 (Oct. – Jan.) (Class style) Lecture (Language) English (Day/period) See below/ Tuesday 2 nd (Location) S-363

(Course Outline and Purpose)※

Title: Strategies to Address Climate Vulnerabilities: Experience of a Climate Vulnerable Country Like Bangladesh

Purposes: Bangladesh is one of the climate vulnerable countries in the globe. Thus, experience of Bangladesh is also extraordinary and unique in managing consequences of climate change on live and livelihoods of its people. As Bangladesh is an agrarian country, so the impact of climate changes on agriculture, agrarian communities, so agriculture sector is the most vulnerable sector compared to other. In addition coping strategies followed by the people of the agrarian communities, especially people living in the long coastal line will be identical and exemplary for other nations (like Japan) having similar sensation.

(Course Goals) ※

Students will understand the status of consequences of climate change in a climate vulnerable country like Bangladesh and strategies adopted by the GOs and NGOs to address the climatic consequences in Bangladesh.

(Course schedule and Content)※

Lecture #	Title of the Lecture	Contents
1 Oct. 17 th	Climate Vulnerabilities and Its Impacts on Rural Livelihoods: <i>Perspective of Bangladesh</i>	<ul style="list-style-type: none"> ✓ Concept and types of climate vulnerabilities ✓ Features of rural Bangladesh ✓ Short term and long term consequences of climate change on rural communities ✓ Concept of adaptation and mitigation ✓ Region specific adaptation and mitigation strategies used in Bangladesh
2 Oct. 24 th	Winner and Loser of Climate Change in Coastal Bangladesh	<ul style="list-style-type: none"> ✓ Concept of win and lose ✓ Orientation about coastal Bangladesh ✓ Livelihood strategies followed by the coastal people ✓ Impact of climate change on coastal rural livelihoods ✓ Transformation in livelihood strategies due to climate change ✓ Winners and losers of climate change in rural Bangladesh
3 Oct 31 st	Vulnerability Assessment of Crop Husbandry due to Drought in Bangladesh	<ul style="list-style-type: none"> ✓ Concept of drought ✓ Status of drought in Bangladesh and other south-east Asian countries ✓ Crop husbandry practiced in drought prone areas of Bangladesh ✓ Assessment of drought vulnerability on

		<ul style="list-style-type: none"> ✓ crop husbandry ✓ Way forward to cope with drought
4 Nov. 7 th	Inclusive Adaptation for Coping With Consequences of Climate Change in Coastal Bangladesh	<ul style="list-style-type: none"> ✓ Concept and types of adaptation ✓ Ideas of inclusiveness ✓ Ways of ensuring inclusive adaptation towards resilience ✓ Scope of introducing inclusive adaptation in coastal Bangladesh
5 Nov. 14 th	Capacity Development of the Farmers in Climate-Smart Forest and Agricultural Practices in Bangladesh	<ul style="list-style-type: none"> ✓ Definition and necessity of capacity development of the farming communities ✓ Concept of climate-smart agriculture ✓ Relationship between forest and climate change ✓ Status of forest resources in Bangladesh ✓ Ways of restoring forest to mitigate the consequences of climate change ✓ Community based forest management approaches followed in Sal Forest in Bangladesh
6 Nov. 21 st	Fostering Women Voices through Videos in Bangladesh in Adoption of Low Emission Agricultural Practices	<ul style="list-style-type: none"> ✓ Concept of low emission agricultural practices ✓ Elements of low emission agricultural practices ✓ Video-mediated extension and its scope of enabling a community ✓ Women empowerment and using video as a tool in this process ✓ Using women's potential in adoption of low emission agricultural practices
7 Nov. 28 th	Climate Change Resilience Centre (CCRC): A community-based approach in Saline Prone Coastal Areas of Bangladesh	<ul style="list-style-type: none"> ✓ Concept of resilience building ✓ Role of community in resilience building ✓ Experience of CCRC model of CCDB in resilience building in selected coast communities

(Method, Point of view, and Attainment levels of Evaluation) ✖

Methods: Lectures, Audio-visuals, Video Demonstrations, Reading Assignments

Evaluation: Quiz, assignments and group presentations

(Regarding studies out of class (preparation and review)) ✖

- ✓ Reading assignments

(Others (office hour, etc.))

Office hour: Monday to Friday: 8:00 am to 5:00 pm

The lecture will be given in English by a visiting professor, Dr. Md. Asaduzzaman Sarker, Professor, Department of Agricultural Extension Education, Bangladesh Agricultural University, Mymensingh

(Requirements for taking courses) ✖

English proficiency suitable for understanding lectures and contributing to discussion and reading.

(Textbook) ✖

Handouts will be provided to the students during class

