

Schedule of the lectures in Yezin Agricultural University, Myanmar.

From February 24 to March 6, 2020

Kiyoshi Tsutsuki, Emeritus Professor of Soil Science, Obihiro Univ. Agr. & Vet. Med.

Feb. 24 (M)	
9:30-10:30	Opening Ceremony
10:50-12:00	Origin of Soil and Human Culture. (Part 1)
13:30-14:30	Origin of Soil and Human Culture. (Part 2)
14:50-15:30	Use of Soil in Human Life.
15:40-16:20	Soil biodiversity and human health.
Feb. 25 (Tu)	
9:00-10:30	Environment and Soil. (Part 1 and 2)
10:50-12:00	Soil Crisis.
13:30-14:30	Soil Degradation. (Part 1 and 2)
14:50-16:20	Slides of world soils by FAO/UNESCO
Feb. 26 (W)	
9:00-10:30	Plant Growth and Soil.
10:50-12:00	Plant Growth and Rhizosphere. (Part 1 and 2)
13:30-14:30	Physical properties of Soil. (Part 1 and 2)
14:50-16:20	Chemical properties of Soil. (Part 1 and 2)
Feb. 27 (Th)	
9:00-10:30	Soil acidity. (Part 1 and 2)
10:50-12:00	Soil organisms. (Part 1 and 2)
13:30-14:30	Soil Organic Matter. (Part 1)
14:50-16:20	Soil Organic Matter. (Part 2 and 3)
Feb. 28 (F)	
9:00-12:00	Soil profile survey in the field of YAU.
13:30-14:30	Observation and description of soil profile. Soil color and texture practice.
14:50-16:20	Method of Soil Diagnosis. (Part 1, 2 and 3)

Mar. 2 (M)	
9:00-10:30	Fundamental Soil Analysis. Lecture
10:50-12:00	Testing pH, EC, NO <sub>3</sub> <sup>-</sup> , K, P. Laboratory practice
13:30-14:30	Method of Soil Monolith Preparation. (Part 1 - 4)
14:50-16:20	Practice of soil mini monolith preparation
Mar. 3 (Tu)	
9:00-10:30	Compost and Farm Yard Manure.
10:50-12:00	Use of Green manure in Agriculture.
13:30-14:30	Designing field experiment and pot experiment.
14:50-16:20	Discussion of designing field experiment and pot experiment.
Mar. 4 (W)	
9:00-10:30	Dynamics of plant nutrients and their deficiency and excess. (Macro elem.)
10:50-12:00	Dynamics of plant nutrients and their deficiency and excess. (Micro elem.)
13:30-14:30	Health of Soil, Plant and Animal.
14:50-16:20	Soils of humid sub-tropics in south-east Asia with special emphasis on Acrisols. Summary of the important soil units in Myanmar.
Mar. 5 (Th)	
9:00-10:30	Global Circulation of Carbon related to Climate Change and Environment.
10:50-12:00	Global Circulation of Nitrogen related to Climate Change and Environment.
13:30-14:30	Seminar on climate change and soil (3: Rationale for 4 per 1000 initiative.).
14:50-16:20	IPCC, Global Warming of 1.5 degree C, Summary for Policymakers.
Mar. 6 (F)	
9:00-10:30	IPCC, Climate Change and Land, Summary for Policymakers.
10:50-12:00	Discussion
13:30-14:30	Summary and Discussion
14:50-16:20	Closing ceremony
	Leaving YAU in the evening.