

Subject	Modifications	
	Original	Revision for Technology-enhanced FL
ESC11 (Geology and Soil Science)	Learning Outcome(s)/ Objective(s) (LO): a. Present a unified view of the soil as a medium for plant growth and as a natural resource; b. Present the origin and process involved in the formation and development of the soil; c. Develop skills in solving problems on the physical, chemical and biological properties of the soil; d. Discuss the role of plant nutrients to be able to recognize and diagnose soil problems associated with poor plant growth; and e. Develop the ability to apply the principles of soil management in the control of the soil fertility and soil erosion. f. Define, enumerate, Differentiate and identify the different process involve in soils and its field of Specializations.	All the learning outcomes can be adopted for Technology-enhanced FL
	Topic (T): 6 Chapters for Lecture 11 Exercises for Laboratory	6 Chapters for Lecture 9 Exercises for Laboratory
	T-L Activities & Requirement (T-LAR): One specific laboratory activity: Demonstrate Proper Collection and Preparation of Soil Sampling in a group of 3-5 members	Individually, demonstrate Proper Collection and Preparation of Soil Sampling with photo-video documentation
	Evaluation/ Assessment (E/A): Actual Demonstration	Photo-video documentation
	Grading System (GS): For Laboratory: 70% Laboratory Exercises 30% 2 term exams	For Laboratory: 80% Laboratory Exercises 20% 2 term exams
	Others (O): All references are found in the library	All references and further readings are both available in the library and online.