DETERMINATION OF CREDITS COURSES
SOIL AND WATER CONSERVATION

Course	CLO	CLO 1.1	Learning Methods	Study Material	Study Hours		Sks/Credits
					T	P	
Soil and Water Conservation	Able to explain the concept and principle of soils and water conservation which refers to sustainable agriculture principles, and is based on the local wisdom	The students are able to Describes Land problems and land damage, soil and air conservation, soil maintenance.	Face to Face, Structure Assignment, Independent Study	An Introduction to Soil and Water Conservation	4	0	3
	Capable Analyze factors causing erosion and type of erosion	The students were able to describe The erosion process that causes soil damage	Face to Face, Structure Assignment, Independent Study, practicum	An Introduction to Soil and Water Conservation	7	6	
		The students were able to analyze and explain about Students can explain the ease of soil or the sensitivity of soil to erosion	Face to Face, Structure Assignment, Independent Study, Practicum	Introduction to Soil and Water Conservation and How To Calculte Erodibility and erosivity	7	6	
		The students were able to explain and analyze the the role of rain on erosion	Face to Face, Structure Assignment, Independent Study, Practicum	Introduction to Soil and Water Conservation and How To Calculte Erosivity	7	6	
	Able to calculate and estimated erosion in an area	The students were able to explain Students can explain the function of plants in relation to erosion and soil and water conservation strategies	Face to Face, Structure Assignment, Independent Study, Practicum	Plant and Land management influence the process of erosion	7	6	
		The students were able to explain and assess land capabilities in accordance with land use requirements for sustainable land	Face to Face, Structure Assignment, Independent Study, Practicum	Land Capabilities	4	3	
	Able to describe and analyze various types of conservation technology, both technical and vegetation	The students were able to explain and practice mechanical erosion control.	Face to Face, Structure Assignment, Independent Study, Practicum	Physic technology conservation	7	6	
		Students can explain and practice Soil and Water Conservation using biological methods (vegetation)	Face to Face, Structure Assignment, Independent Study, Practicum	Biological Technology Conservation	7	6	
	Able to calculate and estimated erosion in an area	The students were able to explain and practice how to estimate erosion	Face to Face, Structure Assignment, Independent Study, Practicum	USLE approach	7	6	
	Able to plan conservation actions according to regional conditions and regional problems	Students can describe the importance of soil and water conservation for land management as well as environmental and agricultural sustainability	Face to Face, Structure Assignment, Independent Study, Practicum	Land management using Conservation Principles	7	6	

		Students can identify environmental problems and diagnose the causes of problems, then describe how to overcome problems based on knowledge of soil and water conservation	Face to Face, Structure Assignment, Independent Study, Practicum	Design for land management using Conservation Principles	7	6	
				Total Hours	**71**	**57**	3
	Sks/Credit Theory	(Total Theory Hours × 1 sks)/(2.83 × 16)				~	2
	Sks/Practicum Practicum/Field work	(Total Practicum Hours × 1 sks)/(2.83 × 10)				~	1

Notes: T = Theory P = Practicum/Field Work
1 SKS/Credit = 170 minutes = 2,83 hours
1 Semeter = 16 Face Times
The study time required for students to achieve CLO at each learning stage is determined by the lecturer/lecturer team based on their experience in teaching the course.
Total Course SKS/Credits = Theory + Practicum/field work