ME3203 - Agrometeorology

COURSE LESSON PLAN **STUDY PROGRAM: METEOROLOGY** **FACULTY/SCHOOL: FACULTY OF EARTH SCIENCES AND TECHNOLOGY** **INSTITUT TEKNOLOGI BANDUNG**				
Course Code: ME3203	**Credits:** 3	**Semester:** 6	**Course Type:** **Compulsory course**	
Course Name	Agrometeorologi			
	Agrometeorology			
Related Course				
Study Materials	Units of life: molecular, cellular, and organism.			*Expose*
	Taxonomy of living organisms: plants.			*Expose*
	Sustaining life: plant nutrition, respiration, and reproduction.			*Expose*
	Ecology and ecosystems in the agricultural environment.			*Expose*
	Relationships and impacts of meteorological parameters on crops.			*Expose*
	Climate modification for agricultural purposes.			*Expose*
	Climate change and crop response.			*Expose*
	Influence of climate on crop pests and diseases.			*Expose*
Learning Outcomes				
Code	**LO**			
2.1	Able to describe the atmosphere and weather and climate phenomena. (C2)			
2.2	Able to process large-scale digital weather and climate data to understand weather and climate phenomena. (C3)			
4.1	Able to design a simulation of a weather system and/or its environmental interactions for the application of meteorological knowledge. (C3)			
Code	**CO**	**Elements of Course Learning Outcomes (CO)**		
2.1	1	Students are able to describe the influence of weather and climate parameters on agriculture. (C2)		
2.2	2	Students are able to calculate evapotranspiration and irrigation to analyze plant water requirements. (C3)		
4.1	3	Students are able to simulate weather and climate interactions with crops to analyze crop suitability. (C3)		
Learning Methods	Lecture Group Discussion Cooperative Learning Problem-based Learning			
Learning Modalities	Synchronous learning Blended/Online Asynchronous			
Assessment Method	Midterm Examination (35%), Final Examination (35%), Assignments (20%), and Quizzes (10%). Grading Scale: 80–100% A (maximum competency) 75–80% AB (very good competency) 65–75% B (good competency) 60–65% BC (satisfactory competency) 55–60% C (minimum competency) 45–54% D (below minimum competency) <45% E (far below minimum competency)			