ME3204 - Environmental Meteorology

COURSE LESSON PLAN **STUDY PROGRAM: METEOROLOGY** **FACULTY/SCHOOL: FACULTY OF EARTH SCIENCES AND TECHNOLOGY** **INSTITUT TEKNOLOGI BANDUNG**				
Course Code: ME3204	**Credits: 3**	**Semester: 6**	**Course Type: Compulsory course**	
Course Name	Meteorologi Lingkungan			
	Environmental Meteorology			
Related Course	-	-	-	
Study Materials	Global and local environmental issues.			*Expose*
	Key factors of environmental climatology.			*Expose*
	Human biometeorology.			*Expose*
	Industrial and mining environmental meteorology.			*Expose*
	Urban climatology.			*Expose*
	Climatology in transportation.			*Expose*
	Climatology in disaster management,			*Expose*
	Climatology in agriculture.			*Expose*
Learning Outcomes				
Code	**LO**			
PLO-3.1	Able to use conventional and non-conventional instruments to obtain data and information on the state of the atmospheric environment. (C3)			
PLO-4.2	Able to interpret and analyze data processing and/or simulation results to obtain new information or knowledge related to meteorological problems. (C4)			
PLO-5.2	Possesses good knowledge of the contribution of meteorology in addressing environmental problems, particularly hydrometeorological disasters and their mitigation. (C4)			
Code	**CO**	**Elements of Course Learning Outcomes (CO)**		
PLO-3.1	1	Students are able to operate weather observation and air quality equipment to obtain atmospheric environment information. (C3)		
PLO-4.2	2	Students are able to analyze observational data and/or simulation results of the interaction between weather parameters and biological activities. (C4)		
PLO-5.2	3	Students are able to identify environmental problems related to meteorological disasters and propose solutions. (C4)		
Learning Methods	Lecture Group Discussion Cooperative Learning Problem-based Learning			
Learning Modalities	Synchronous learning Blended/Online Asynchronous			
Assessment Method	Assessment components: Midterm Examination (35%), Final Examination (40%), Assignments (20%), and Quizzes (5%). Grading Scale: 80–100% A (maximum 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)			