

ME2205 - Weather System

COURSE LESSON PLAN				
STUDY PROGRAM: METEOROLOGY				
FACULTY/SCHOOL: FACULTY OF EARTH SCIENCES AND TECHNOLOGY				
INSTITUT TEKNOLOGI BANDUNG				
Course Code: ME2205		Credits: 2	Semester: 4	Course Type: Compulsory course
Course Name		Sistem Cuaca		
		Weather System		
Related Course		ME1201	Pengantar Meteorologi dan Klimatologi	Co-requisite
Study Materials		Longwave and shortwave radiation.		Expose
		Cloud microphysics.		Explore
		Atmospheric thermodynamics.		Explore
		Mesoscale convective system		Expose
		Atmospheric vertical profile analysis.		Expose
Learning Outcomes				
Code		LO		
PLO-2.1		Able to describe the atmosphere and weather and climate phenomena.		
PLO-2.2		Able to demonstrate understanding of basic meteorological knowledge to explain weather or climate phenomena.		
PLO-3.2		Able to process large-scale digital weather and climate data to understand weather and climate phenomena.		
Code	CO	Elements of Course Learning Outcomes (CO)		
PLO-2.2	1	Students are able to describe the microphysical and thermodynamic processes within clouds and their impact on weather conditions.		
PLO-2.1	2	Students are able to illustrate the phenomenon of <i>mesoscale convective system</i>		
PLO-3.2	3	Students are able to process atmospheric vertical profile observation data.		
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) 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)		