

## KF1211 - Earth System

|                                                                 |           |                                                                                                                   |                              |                                                 |
|-----------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------|
| <b>COURSE LESSON PLAN</b>                                       |           |                                                                                                                   |                              |                                                 |
| <b>STUDY PROGRAM: METEOROLOGY</b>                               |           |                                                                                                                   |                              |                                                 |
| <b>FACULTY/SCHOOL: FACULTY OF EARTH SCIENCES AND TECHNOLOGY</b> |           |                                                                                                                   |                              |                                                 |
| <b>INSTITUT TEKNOLOGI BANDUNG</b>                               |           |                                                                                                                   |                              |                                                 |
| <b>Course Code:</b><br><b>KF1211</b>                            |           | <b>Credits:</b><br><b>3</b>                                                                                       | <b>Semester:</b><br><b>2</b> | <b>Course Type:</b><br><b>Compulsory course</b> |
| <b>Course Name</b>                                              |           | Sistem Bumi                                                                                                       |                              |                                                 |
|                                                                 |           | Earth System                                                                                                      |                              |                                                 |
| <b>Related Course</b>                                           |           |                                                                                                                   |                              |                                                 |
|                                                                 |           |                                                                                                                   |                              |                                                 |
| <b>Study Materials</b>                                          |           |                                                                                                                   |                              |                                                 |
|                                                                 |           |                                                                                                                   |                              |                                                 |
| <b>Learning Outcomes</b>                                        |           |                                                                                                                   |                              |                                                 |
| <b>Code</b>                                                     |           | <b>LO</b>                                                                                                         |                              |                                                 |
| PLO-1.1                                                         |           | Capable of utilizing basic mathematics and science as a foundation to understand the fundamentals of meteorology. |                              |                                                 |
| <b>Code</b>                                                     | <b>CO</b> | <b>Elements of Course Learning Outcomes (CO)</b>                                                                  |                              |                                                 |
| PLO-1.1                                                         |           |                                                                                                                   |                              |                                                 |
|                                                                 |           |                                                                                                                   |                              |                                                 |
| <b>Learning Methods</b>                                         |           | - Online/blended/offline learning                                                                                 |                              |                                                 |
|                                                                 |           | - Synchronous/asynchronous learning                                                                               |                              |                                                 |
|                                                                 |           | - Individual/group learning                                                                                       |                              |                                                 |
| <b>Learning Modalities</b>                                      |           | - Group discussion                                                                                                |                              |                                                 |
|                                                                 |           | - Simulation and role play                                                                                        |                              |                                                 |
|                                                                 |           | - Case study                                                                                                      |                              |                                                 |
|                                                                 |           | - Collaborative learning                                                                                          |                              |                                                 |
|                                                                 |           | - Cooperative learning                                                                                            |                              |                                                 |
|                                                                 |           | - Project-based learning                                                                                          |                              |                                                 |
|                                                                 |           | - Problem-based learning                                                                                          |                              |                                                 |
| <b>Assessment Method</b>                                        |           |                                                                                                                   |                              |                                                 |