<table>
<thead>
<tr>
<th><strong>Module Name</strong></th>
<th>Hydrometeorology (Practicum)</th>
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<tbody>
<tr>
<td><strong>Code, if applicable</strong></td>
<td>GEL 0204</td>
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<tr>
<td><strong>Semester(s) in which the module</strong></td>
<td>Third (3rd) Semester</td>
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<td><strong>Person responsible for the module</strong></td>
<td>Utia Suarma, S.Si., M.Sc.</td>
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<tr>
<td><strong>Lecturer</strong></td>
<td>Utia Suarma, S.Si., M.Sc.</td>
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<td><strong>Language</strong></td>
<td>Bahasa Indonesia</td>
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<tr>
<td><strong>Relation to curriculum</strong></td>
<td>Compulsory</td>
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| **Type of teaching** | In class session with tutorial from assistant  
Visiting specific bureau or institution related to the subject  
(i.e. Meteorology, Climatology, and Geophysics Agency/BMKG) |
| **Workload** | In class session 11 x 100 minutes = 1100 minutes  
Field visit = 100 minutes  
Report finalization 12 x 60 minutes = 720 minutes  
Final exam = 120 minutes |
| **Credit points** | 1 SKS |
| **Requirements according to the examination regulations** | Maximum 2 session of absent from total session (12) |
| **Recommended prerequisites** | Hydrometeorology (took in the same semester) |
| **Module objectives/intended learning outcomes** | This module is very important supplementary to the Hydrometeorology module which consist of more practical introduction and analysis of meteorology and climatology parameters such as rainfall, wind, solar radiation, and temperature. Furthermore, this parameter could be use to calculate or measure more complex term for example drought and flood, as well as mapping the climatic classification in certain area. |
| **Content** | 1. Introduction to hydrometeorological tools and equipments  
2. Radiation budget and windrose  
3. Evaporation and transpiration  
4. Evapotranspiration  
5. Rainfall data evaluation  
6. Rainfall analysis in specific area  
7. Rainfall station spatial distribution analysis  
8. Trend and frequency analysis  
9. Water Balance  
10. Drought Index  
11. Climate classification and mapping  
12. Field visit |
| **Study and examination requirements and forms of examination** | Pre-test: 10%  
Individual Assignment: 10%  
Practicum report: 40%  
Final Exam: 40% |
| **Media employed** | - Specific website to obtain rainfall data (i.e. BMKG)  
- Hydrometeorological tools and equipments |
| Reading list                                                                 | DHV Consultants BV and Delft Hydraulics, 2002, Hydrology Project Training Module, File: 12 How to analyze rainfall data, New Delhi.