## Example form for Module Handbook

**Water Management for Agriculture**

A **Module Handbook or collection of module descriptions that is also available for students to consult** should contain the following information about the individual modules:

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| Module designation | *Pengelolaan Daerah Aliran Sungai* |
| Module level, if applicable | *Undergraduate Program* |
| Code, if applicable | *PNT20192035* |
| Subtitle, if applicable |  |
| Courses, if applicable |  |
| Semester(s) in which the module is taught | *Semester III* |
| Person responsible for the module | *Nur Ainun Harlin Jennie Pulungan, S.Si., M.Sc., Ph.D.* |
| Lecturer | *Nur Ainun Harlin Jennie Pulungan, S.Si., M.Sc., Ph.D.**Prof. Dr. Junun Sartohadi, M.Sc.**Fathi Alfinur Rizqi, S.T.P., M.Sc.* |
| Language | *Bahasa/Indonesia Language.* |
| Relation to curriculum | *Compulsory* |
| Type of teaching, contact hours | *Lecture, practical, and presentation.* |
| Workload | *1 SKS = 170 minutes x 14 meetings = 39,6 hours* |
| Credit points | *2/0* |
| Requirements according to the examination regulations | *Presence must be 70% of all meetings.**Has to accomplished all the assignments.* |
| Recommended prerequisites | *-* |
| Module objectives/intended learning outcomes | - Students are able to explain watershed as an ecosystem and hydrology unit as well as the scope of management studies.- Students are able to show the boundaries of a watershed and empirical calculations related to watersheds with the right method- Students are able to identify problems on a watershed scale and perform problem solving analysis.- Students are able to determine a sustainable watershed management strategy in order to maintain the ecological and economic functions of the watershed as a development paradigm |
| Content | 1. *Introduction and Concept of DAS*
2. *Watershed boundaries*
3. *Watershed morphometry*
4. *Basics of watershed management*
5. *Sustainable Development Based on Watershed Ecosystems*
6. *Economic Growth as a Benchmark for Sustainable Development*
7. *Environmental problems related to watershed*
8. *Management Technical Strategy*
9. *Watershed zoning division*
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| Study and examination requirements and forms of examination | *Presence must be 70 % of all meetings**Has to accomplished all the assignments* |
| Media employed | *Text, Presentation, Visual & Audio Web.* |
| Reading list |  |