Example form for Module Handbook

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 |  *Conservation and Land Degradation* |
| Module level, if applicable |  Bachelor |
| Code, if applicable |  *PNT 3112* |
| Subtitle, if applicable | - |
| Courses, if applicable | 1. *Pendahuluan*
2. *Konservasi Tanah*
3. *Konservasi Air*
4. *Kerusakan Lahan (Erosi, Longsor, Banjir)*
5. *Bentuk-bentuk metode konservasi*
6. *Reklamasi Lahan*
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| Semester(s) in which the module is taught |  *Even* |
| Person responsible for the module | *Nur Ainun Harlin Jenie Pulungan, S.Si., M.Sc., Ph.D.* |
| Lecturer | *Nur Ainun Harlin Jenie Pulungan, S.Si., M.Sc., Ph.D.* |
| Language |  *Bahasa/Indonesian language* |
| Relation to curriculum | *Compulsory* |
| Type of teaching, contact hours | *Lecture, practical, presentation* |
| Workload |  *In one week,** *2 (two) hours lecture,*
* *2 (two) hours educational activities,*
* *2 (two) hours independent activities,*
* *2-3 (two-three) hours practical activities or psychomotor,*
* *1 (one) hour activities.*
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| Credit points |  *2/1* |
| Requirements according to the examination regulations | * *Presence must be 70 % of all meetings*
* *Has to accomplished all the assignments*
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| Recommended prerequisites | *-* |
| Module objectives/intended learning outcomes | * *Students know and understand about the scope and basic principles of soil & water conservation, and reclamation*
* *Students can explain the types and impacts of land damage (degradation) on agriculture and the environment*
* *Students can explain the processes that occur and the factors of soil erosion.*
* *Students are able to identify signs of land damage (erosion, landslides) in the field*
* *Students can determine and explain conservation methods: vegetative, physical / mechanical, chemical, and combination.*
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When calculating contact time, each contact hour is counted as a full hour because the organisation of the schedule, moving from room to room, and individual questions to lecturers after the class, all mean that about 60 minutes should be counted.

1. Cf. European Commission: Proposal for a Recommendation of the European Parliament and the European Council on the establishment of the European Qualifications Framework for lifelong learning, COM(2006) 479 final, 2006/0163 (COD), Brussels 05/09(2006.

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| Content | 1. *Introduction*
2. *Soil Conservation*
3. *Water Conservation*
4. *Land degradation (erosion, landslides, flood)*
5. *Conservation methods*
6. *Land reclamation*
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| Study and examinationrequirements and forms of examination | * *Presence must be 70 % of all meetings*
* *Has to accomplished all the assignments*
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| Media employed |  *Text, Presentation, Visual & Audio Web.* |
| Reading list | 1. Kirkby, M.J. & R.P.C Morgan. 1980. ***Soil Erosion.*** John Wiley and Sons. Chichester-New York-Brisbone-Toronto. 311h.
2. Zachar, D. 1982. ***Soil Erosion.*** Elsevier Scientific Publi. Co. Amsterda,-Oxford-New York. 547 h.
3. Hudson, N. 1971. ***Soil Conservation.*** Cornell University Press. Ithaca, New York. 320h.
4. Troch, F.R., J.A. Hobbs & R.L. Donahue. 1980. ***Soil and Water Conservation for Productivity and Enviromental Protection.*** Prentice Hall, Inc. Engelewood Cliffs. New Jersey. 718h.
5. Morgan, R.C.P. 1980. ***Soil Erosion : Problem and Prospects.*** John Wiley and Sons. Chichester-New York-Brisbone-Toronto. 576h.
6. Arsyad, S. 1989. ***Konservasi Tanah dan Air.*** IPB Press. Bogor 290h.
7. Seyhan, E. 1995. ***Dasar-dasar Hidrology.*** Terjemahan S. Subagyo. Gadjah Masa University Press. Yogyakarta. 379h.
8. Sosrodarsono, S. & K. Takeda. 1983. ***Hidrologi Untuk Pengairan.*** PT. Pradnya Paramita. Jakarta. 226h.
9. Greenland, D.J. & R. Lal. 1977. ***Soil Conservation and Management in the Humid Tropics.*** John Wiley and Sons. Chichester-New York-Brisbone-Toronto. 283h.
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