MODULE HANDBOOK

Modul Name	**Conservation of Natural Resources and Environment (KSDAL)**
Module Level	Bachelor
Abbreviation, if applicable	
Sub-heading, if applicable	-
Course included in the module, if applicable	-
Semester/term	2nd/ first year
Modul coordinator(s)	Dr. Mitarlis, S.Pd., M.Si.
Lecturer(s)	Prof. Dr. Titik Taufikurohmah, M.Si. Dr. Mitarlis, S.Pd., M.Si. Dr. Yuliani, M.Si. Reni Ambarwati, S.Si., M.Sc. Guntur Trimulyono, S.Si., M.Sc.
Language	Bahasa Indonesia
Classification within the curriculum	Compulsory
Teaching format/class hours per week during the semester	2 hours lectures (50 min / hour)
Workload	Total workload 112 hours per semester which consists of 2 hours lecture, 2 hours structured activities, 2 hours individual activities, and 14 weeks per a semester (4.2 ECTS)
Credit point	2 SCU
Requirement	-
Learning Outcomes	**General Competence (knowledge):** Student be able to apply logical, critical, and systematic thinking as well as innovative on the context of science and technology development or implementation related to laboratory organization that pay attention and apply humanities values. **Spesific Competence** : At the end of the lecture, students can master theoretical concepts (knowledge) about the scope of conservation, Environmental ethics and Environmental Ethical Principles, natural resources, local wisdom, Management and problems of natural resources and the environment, and the awareness of conservation, awareness of the importance of conserving natural resources and the environment, an eco campus and a conservation campus.

Content	This course discuss about: 1) Scope of conservation which includes: definition, objectives, benefits and efforts to conserve natural resources and the environment (SDAL); 2) Environmental ethics which includes: definition, Paradigm, and Environmental Ethical Principles; 3) Natural resources which include: definition, types and benefits of Natural Resources; 4) Local wisdom which includes: definition, approach, challenges and local wisdom in people's lives in the future; 5) Management and problems of natural resources and the environment which include: issues, problems and management of natural resources and the environment; 6) Awareness of conservation which includes awareness of the importance of conserving natural resources and the environment, an eco campus and a conservation campus. Lecture activities are carried out in a student center with discussions, observations, project assignments, and presentations by developing ecopreneurship characters
Study/exam achievements	Students are considered to be competent and pass if at least gets core 68 Final score is calculated as follows: 30 assignment + 30% mid test + 40% final test
Targeted learning outcomes:	CLO 1 Students have ability to apply logical, critical, systematic and innovative thinking in the context of developing or implementing science and technology that pays attention to and applies humanities values. CLO 2 Students have ability to produce correct conclusions based on the results of identification that have been made and be able to apply skills in educating, researching, and managing in the administration of chemistry education. CLO 3 Students be able to master the theoretical concepts (knowledge) about the functions and roles of chemical education laboratories, the basics of chemical laboratory development planning, and management of chemical laboratory equipment and materials procurement as well as the principles of K3 (Occupational Health and Safety) and laboratory management. CLO 4 Students have a responsible attitude by applying an understanding of laboratory organization material in carrying out lectures and daily practicum and assignments on the field in the future.

Content:	1. Scope of conservation which includes: Definition, objectives, benefits and efforts to conserve natural resources and the environment (SDAL); 2. Environmental ethics, which includes: Definition, Paradigm, and Environmental Ethical Principles; 3. Natural resources which include: Definition, types and benefits of Natural Resources; 4. Local wisdom which includes: Definition, approach, challenges and local wisdom in people's lives in the future; 5. Management and problems of natural resources and the environment which include: issues, problems and management of natural resources and the environment; 6. Level of biodiversity (community / habitat, species, genetic) and its conservation efforts 7. Conscious conservation which includes awareness of the importance of conservation of natural resources and the environment, 1. 8. Eco campus movement and conservation campus.
Study / exam achievements:	Students are considered to be competent and pass if at least get 55 Final score is calculated as follows: 30% assignment + 30% middle exam (UTS) & 40% final exam (UAS) Table index of graduation • A = 4 (85 ≤-≥ 100) • A- = 3,75 (80 ≤-< 85) • B+ = 3,5 (75 ≤- < 80) • B = 3 (70 ≤-< 75) • B- = 2,75 (65 ≤-<75) • C+ = 2,5 (60 ≤-<65) • C = 2 (55 ≤-<60) • D = 1 (40 ≤-<55) • E = 0 (0 ≤-<40)
Media:	Computer, LCD, White board, chemicals and equipment in laboratory for doing practicum
Learning Methods	Individuals assignment, group assignment, discussion, presentation, and practicum
Literature:	1. Hamzah, S. 2010. *Pendidikan Lingkungan. Sekelumit Wawasan Pengantar*. Bandung: PT RefikaAditama. 2. Indrawan, M; Primack, R.B; Supriatna, J. 2007. *Biologi Konservasi*. Jakarta: Yayasan Obor Indonesia. 3. Iskandar, Z.I. 2012. *Psikologi Lingkungan. Teori dan Konsep*. Bandung: PT Refika Aditama.

	4. Keraf, A.S. 2010. *Etika Lingkungan Hidup*. Jakarta: Penerbit BukuKompas. 5. Marfai, M.A. 2013. *Pengantar Etika Lingkungan dan Karifan Lokal*. Yogyakarta: Gadjah Mada University Press 6. Cluras, D. D. and Reganold, J.P. 2010. *Natural Resources Conservation Future. Washington:* Washington State University. 7. Mitchell, B; Setiawan, B; Rahmi, D.H. *Pengelolaan Sumber daya dan Lingkungan. Yogyakarta*: Gadjah Mada University Press. 8. Suparmoko, M. 2013. *Ekonomi Sumber Daya Alam dan Lingkungan. Suatu Pendekatan Teoritis*. Yogyakarta: BPF
Note	*Conservation of Natural Resources and Environment* subject covers the activity of learning concept in class, assignment by applying the concept in filed and presentation. Total ECTS = (total hours workload x 50 minutes/ 60 minutes.