

Module/Course Description

FOREST MANAGEMENT (MNH 314)

A. Module Identity		
1.	Name	Forest Management
2.	Code	MNH 314
3.	Credit	3 (2-3)
4.	Semester	6
5.	Pre-requisite	Forest Inventory (MNH 212)
6.	Coordinator	Dr. Ir. Teddy Rusolono, MS.
7.	Lecturers	Prof. Dr. Ir. Herry Purnomo, M.Comp. Dr. Ir. Budi Kuncahyo, MS. Ir. Budi Prihanto, MS. Dr. Tatang Tiryana, S.Hut., MSc. Dr. Ir. Muhdin, MSc.
8.	Language	Indonesian
9.	Program(s) in which the course is offered	Internal department: Forest Management Study Program Other departments:
10.	Type of teaching	a. Traditional classroom: 100 % b. Blended system: Traditional classroom....%, Online....% c. e-Learning system:% d. Others:%

B. Workload of course components (total contact hours and credits per semester)								
Credit		Contact Hours				Self-Study	Other	Total
SKS *)	ECTS	Lecture	Exercise	Laboratory	Practice			
3		28	39			56		123

*) Semester credit unit according to the Indonesian higher educational system

1 credit unit lecture = 2 hours/ week for lecture and 2 hours/ week for self-study within 14 weeks/ semester

1 credit unit class exercise or laboratory or field practice = 3 hours/week within 12-14 weeks/semester

***) 1 hour for lecture= 50 minutes; 1 hour for class exercise or laboratory or field practice = 60 minutes

C. Module Objective (Learning Outcomes)

Student having the ability to do descriptive, exploratory and quantitative analyses on forest growth and forest management and put it into practice.

D. Detailed Course Learning Outcomes (LO) in Relation to Learning Domains, Teaching Strategies, and Assignment Methods

No.	LO in Learning Domains	Teaching Strategies	Assessment Methods
a.	Knowledge		
1.	Students are able to explains the scopes and specialization of forest management	Presentation of teaching materials. Debriefing sessions	Midterm Exam (5%)
2.	Students are able to outlines the forestry planning system in Indonesia, inaugural, as well as land-use and spatial planning	Presentation of teaching materials. Debriefing sessions	Midterm Exam; Independent Task (15%)
3.	Students are able to describes the development of principles of forest and natural resource sustainability, as well as sustainable forest management standard (well-managed forest)	Presentation of teaching materials Debriefing sessions Practice Lessons	Midterm Exam; Independent Task 7%
b.	Skills		
1.	Students are able to prepare the planning and setting of management prescription requirements based on zoning principles of forest areas, HCV concepts, land classification, and forest inventory.	Presentation of teaching materials Debriefing sessions Practice Lessons	Midterm Exam; Independent Task (8%)
2.	Students are able to discover the various patterns of growth and stand structure due to differences in silviculture systems and their implications	Presentation of teaching materials Debriefing sessions Practice Lessons	Midterm Exam; Independent Task (15%)

	for forest management activities		
3.	Students are able to operate the forest product management techniques and their evaluations	Presentation of teaching materials Debriefing sessions Practice Lessons	Final Exam; Independent Task (20%)
4.	Students are able to explore the role of forests for emission reduction	Presentation of teaching materials Debriefing sessions Practice Lessons	Final Exam; Independent Task (10%)
5.	Students are able to generate forest management plans and reviewing management plans	Presentation of teaching materials Debriefing sessions Practice Lessons	Final Exam; Independent Task (13%)
c.	Competences:		
1.	Students are able to criticize the performance assessment of forest management in forest certification schemes based on principles, criteria, and indicators of sustainable forest management	Presentation of teaching materials Debriefing sessions	Final Exam; Independent Task (7%)

E. Module Content		
List of Topic	Number of Weeks	Contact Hours
Introduction	1	2
Inaugural Forests and Land-Use and Spatial Planning	2	4
Zoning of Management Units and Land Classification	1	2
Forest Sustainability and Preservation of Natural Resources	1	2
Knowledge of Silvicultural Systems, Forest Structures and Normal Forests	2	4
Knowledge of Forest Product Management Techniques (for production purposes)	3	6
The Role of Forestry for Emission Reduction	1	2
Planning & Scheduling systems of Management Activities	2	4
Performance Assessment of Forest Management	1	2

F. Course Assessments			
No.	Assessment Type *)	Schedule (Week Due)	Proportion of the Final Mark
1.	Mid-term examination	8th week	40 %
2.	Independent task	End of each week	20 %
3.	Final examination	16th week	40 %

*) Example: mid-term examination, final examination, quiz, homework, project, etc.

G. Media Employed
<ul style="list-style-type: none"> - Classroom - Laptop - LCD - Microphone (loudspeaker)

H. Learning Resources
<ol style="list-style-type: none"> 1. Angelsen A. 2011. <i>Mewujudkan REDD+. Strategi Nasional dan Berbagai Pilihan Kebijakan</i>. Bogor (ID): CIFOR. 2. Armitage I. 1998. <i>Guidelines for The Management of Tropical Forests. The Production of Wood</i>. FAO Forestry Paper 135. Rome. FAO. 3. Bettinger P, Boston K, Siry JP, Grebner DL. 2009. <i>Forest Management and Planning</i>. Oxford (UK): Elsevier. 4. Davis LS, Johnson KN, Bettinger PS, Howard TE. 2001. <i>Forest Management: To Sustain Ecological, Economic, and Social Values</i>. Fourth Ed. New York (US) McGraw Hill. 5. Suhendang E, Jaya INS, Hadjib A. 2004. <i>Diktat Ilmu Perencanaan Hutan. Bagian Perencanaan Hutan Departemen Manajemen Hutan, Fakultas Kehutanan IPB</i>. Bogor 6. Osmaston FC. 1968. <i>The Management of Forest</i>. London (UK) George Allen and Unwin. 7. Higman S, Mayers J, Bass S, Judd N, Nussbaum R. 2005. <i>The Sustainable Forestry Handbook: A practical guide for tropical forest managers on implementing new standards. Second Ed</i>. London, Sterling, VA (UK). ProForest ,Earthscan. <p>Various regulations of forestry policy:</p> <ul style="list-style-type: none"> • Undang-Undang Nomor 41 Tahun 1999 tentang Kehutanan (as amended by Undang-Undang Nomor 19 Tahun 2004) • Undang-Undang Nomor 26 Tahun 2007 tentang Penataan Ruang • Peraturan Pemerintah Nomor 44 Tahun 2004 tentang Perencanaan Kehutanan • Peraturan Pemerintah Nomor 10 Tahun 2010 tentang Tata Cara Perubahan

Peruntukan dan Fungsi Kawasan Hutan

- Peraturan Pemerintah Nomor 60 Tahun 2012 tentang Perubahan Atas Peraturan Pemerintah Nomor 10 Tahun 2010 tentang Tata Cara Perubahan Peruntukan dan Fungsi Kawasan Hutan
- Peraturan Pemerintah Nomor 15 Tahun 2010 tentang Penyelenggaraan Penataan Ruang
- Peraturan Pemerintah Nomor 24 Tahun 2010 tentang Penggunaan Kawasan Hutan
- Peraturan Pemerintah Nomor 61 Tahun 2012 tentang Perubahan Atas Peraturan Pemerintah Nomor 24 Tahun 2010 tentang Penggunaan Kawasan Hutan
- Peraturan Pemerintah Nomor 6 Tahun 2007 tentang Tata Hutan dan Penyusunan Rencana Pengelolaan Hutan, serta Pemanfaatan Hutan