

Curriculum Overview

Master Programme of Forestry (Regular Program)

Four forestry study interests:

1. Forest Management (FM)
2. Tropical Silviculture (TS)
3. Forest Resources Conservation and Ecotourism (FRCE)
4. Forest Products Technology (FPT)

Matriculation*	Semester I**	Semester II***	Semester III****	Semester IV****
Conservation of Natural Resources and Ecosystem [190401802W001] 2 SKS (3.2 ECTS)	Advanced English for Forestry [250401801W001] 2 SKS (3.2 ECTS)	Compulsory courses for each study interest 7 SKS (11.2 ECTS)	Research Proposal Qualification [190401801W050] 2 SKS (3.2 ECTS)	Research Result Seminar [190401801W052] 2 SKS (3.2 ECTS)
	Philosophy of Science [190401802W005] 2 SKS (3.2 ECTS)			
Forest Management [190401802W002] 2 SKS (3.2 ECTS)	Research Methodology and Scientific Publication [190401802W006] 3 SKS (4.8 ECTS)			
Silviculture [190401802W003] 2 SKS (3.2 ECTS)	Advanced Forest Product Processing [190401802W007] 2 SKS (3.2 ECTS)	Elective courses • All elective courses offered for all study interests • Compulsory courses for other study interests Min. 8 SKS (12.8 ECTS)	Research Proposal Seminar [190401801W051] 2 SKS (3.2 ECTS)	Scientific Publication [Indexed National Publication (Sinta 1-4)/Indexed International proceeding (Q3-Q4)] [190401801W053] 6 SKS (9.6 ECTS)
Forest Products Processing [190401802W004] 2 SKS (3.2 ECTS)	Advanced in Tropical Forest Silviculture [190401802W007] 3 SKS (4.8 ECTS)			
	Forest Resource Economics and Finance [190401802W009] 3 SKS (4.8 ECTS)		National Seminar [join a national seminar event as a participant or poster presenter] [250401801W002] 2 SKS (3.2 ECTS)	Thesis Exam and Comprehensive [250401801W003] 2 SKS (3.2 ECTS)
	Trends in Forest and Nature Conservation [190401802W010] 2 SKS (3.2 ECTS)			Thesis/Reputable International Publication (Q1-Q2)/Student Project [190401801W054] 8 SKS (12.8 ECTS)

Minimum workload requirement for Master Program of Forestry (regular program) : **56 SKS (89.6 ECTS)**

*Matriculation is applied for non-forestry prospective student : **8 SKS (12.8 ECTS)** [not included in workload requirement]

Semester I is dedicated for compulsory courses : **17 SKS (27.2 ECTS)

***Semester II is dedicated for compulsory courses for each study interest [**7 SKS (11.2 ECTS)**] and elective courses [**8 SKS (12.8 ECTS)**]

****Semester III and IV is dedicated for final student-works : **24 SKS (38.4 ECTS)**

Compulsory Courses for Four Study Interests

Code	Course	SKS	ECTS
Forest Management (FM)			
190401802P030	Measurement and Improvement Forest Stand Quality	3	4.8
190401802P031	On-site Forest Planning and Inventory	2	3.2
190401802P032	Low Emission Harvesting	2	3.2
Tropical Silviculture (TS)			
190401802P020	Forest Protection in Tropical Rainforest	2	3.2
190401802P021	Formulation of Silvicultural System	2	3.2
190401802P022	Evaluation of Land Productivity and Suitability	3	4.8
Forest Resources Conservation and Ecotourism (FRCE)			
190401802P011	Conservation, Environment and Forestry	2	3.2
190401802P012	Ecology of Specific Ecosystems	2	3.2
190401802P013	Wild Animals Management	3	4.8
190401802P011	Conservation, Environment and Forestry	2	3.2
Forest Product Technology (FPT)			
190401802P040	Improvement of Wood Quality	3	4.8
190401802P041	Fiber Processing and Renewable Energy	2	3.2
190401802P042	Technology of Extractive	2	3.2

Elective Courses for Four Study Interests

Code	Course	SKS	ECTS
Forest Management (FM)			
190401802P033	Forest Spatial Analysis	3	4.8
190401802P034	Landscape Analysis	2	3.2
190401802P035	Forest Sociology	3	4.8
190401802P036	Forest and Environmental Economics	3	4.8
190401802P037	Forest Policy	2	3.2
190401802P038	Social Forestry	3	4.8
190401802P039	Timber Legality and Verification System	2	3.2
Tropical Silviculture (TS)			
190401802P023	Silviculture of Urban Forest	3	4.8
190401802P024	Advance on Agroforestry	3	4.8
190401802P025	Silvofishery	3	4.8
190401802P026	Insect Biodiversity and The Utilization	2	3.2
190401802P027	Fertilization and Soil Fertility	3	4.8
190401802P028	Advanced on Climate Change	2	3.2
190401802P029	Advance on Biochar	3	4.8
Forest Resources Conservation and Ecotourism (FRCE)			
190401802P014	Integrated Watershed Management	2	3.2
190401802P015	Environmental Microclimatology	2	3.2
190401802P016	Computing and Programming Environment Databases	3	4.8
190401802P017	Conservation Engineering and Land Capability Evaluation	2	3.2
190401802P018	Tourism Target-area Plan and Management	2	3.2
190401802P019	Weather Modification Technology	2	3.2
Forest Product Technology (FPT)			
190401802P043	Technology of Wood-Based Panel	2	3.2
190401802P044	Eco-efficiency in Wood Industry	2	3.2
190401802P045	Biodeterioration of Wood	3	4.8
190401802P046	Tree Care and Maintenance	2	3.2
190401802P047	Wood Drying and Preservation	2	3.2
190401802P048	Chemical Biomass Conversion	2	3.2
190401802P049	Technology of Exudate Utilization	2	3.2