

Curriculum Overview

Master Programme of Forestry (By Research 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)	Research Proposal Seminar [220401803W005] 3 SKS (4.8 ECTS)	Research Result Seminar [220401803W007] 4 SKS (6.4 ECTS)	Scientific Publication [Indexed National Publication (Sinta 1-4)/Indexed International Proceeding (Q3-Q4)] [220401804W009] 6 SKS (9.6 ECTS)
	Research Proposal Qualification [220401802W001] 3 SKS (4.8 ECTS)			
Conservation of Natural Resources and Ecosystem [190401802W001] 2 SKS (3.2 ECTS)	Thesis Topic I: Literature Review [220401803W002] 4 SKS (6.4 ECTS)	Seminar of Research Result Progress [220401803W006] 3 SKS (4.8 ECTS)	National Seminar [join a national seminar event as a poster or oral presenter] [220401803W008] 4 SKS (6.4 ECTS)	Thesis Exam and Comprehensive [250401801W004] 3 SKS (4.8 ECTS)
Silviculture [190401802W003] 2 SKS (3.2 ECTS)	Thesis Topic II: Research Methodology [220401803W003] 4 SKS (6.4 ECTS)			
Forest Products Processing [190401802W004] 2 SKS (3.2 ECTS)	Thesis Topic III: Thesis Research Proposal [220401803W004] 4 SKS (6.4 ECTS)			
	Elective courses [All courses offered, both compulsory and elective courses, for regular program] Min. 6 SKS (9.6 ECTS)			Thesis/Reputable International Publication (Q1-Q2)/Student Project [220401806W010] 10 SKS (16.0 ECTS)

Minimum workload requirement for Master Program of Forestry (by research 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 → compulsory courses : **17 SKS (27.2 ECTS) and elective courses : **6 SKS (9.6 ECTS)**

***Semester II, III and IV is dedicated for final student-works : **33 SKS (52.8 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