Description of Intended Learning Outcomes (ILO)
Master Program of Forestry (MPF) By Regular Program

Knowledge and Understanding

ILO-1 : Applying scientific ethics, norms, and values of professionalism

Engineering Analysis

ILO-2 : Mastering specialized knowledge, skills and techniques in the field of forestry and tropical environment and being able to develop innovative theories, models and methods in their field.

Investigation

ILO-3 : Able to analyze current problems and issues, and assess the ecological, social, and economic impacts of implementing programs in the forestry and tropical environmental sectors.

Engineering Design and Practice

ILO-4 : Develop research schemes based on inter or multidisciplinary approaches to tropical forestry and the environment, and communicate the results to the public.

Social Competences

ILO-5 : Lead, work in a team, and be responsible for achieving group work results.

Relationship between Intended Learning Outcomes (ILO) and Courses at the Master Program of Forestry (MPF) By Regular Program

Code of Course	Course Name	Intended Learning Outcomes (ILO)				
		ILO1	ILO2	ILO3	ILO4	ILO5
COMPULSORY COURSES						
250401802W001	English for Forestry	20%	-	-	-	10%
250401805W002	Research Methodology and Scientific Publication	20%	10%	10%	20%	20%
250401803W003	Forest Resource Economics and Finance	-	25%	25%	10%	20%
250401803W004	Silviculture of Tropical Forest	-	25%	25%	10%	20%
250401803W005	Trends in Forest and Nature Conservation	-	25%	30%	-	25%
250401803W006	Advance on Processing of Forest Product	-	25%	25%	10%	20%
Study interest in Forest Management						
250401804W007	Sustainable Production Forest Planning and Harvesting	-	15%	15%	15%	20%
250401804W008	Social and Human Dimensions of Forestry	-	15%	15%	15%	20%
Study interest in Tropical Silviculture						
250401808W009	Integrated Silviculture	-	15%	15%	15%	20%
Study interest in Forest Resources Conservation and Ecotourism						
250401808W0010	Conservation Biology	-	15%	15%	15%	20%
Study interest in Forest Product Technology						
250401804W0011	Wood Engineering and Quality Improvement	-	15%	15%	15%	20%
250401804W0012	Natural Materials and Renewable Energy	-	15%	15%	15%	20%
250401801W0024	Qualification Exam for Research Proposal	10%	10%	10%	10%	-
250401802W0025	Research Proposal Seminar	15%	15%	20%	20%	-
250401802W0026	National Seminar	10%	10%	10%	20%	20%
250401802W0027	Research Result Seminar	20%	20%	20%	20%	-
250401806W0028	Scientific Publication [Indexed National Publication (Sinta 1-4)/Indexed International proceeding (Q3-Q4]	20%	15%	15%	25%	25%
250401802W0029	Thesis Defense and Comprehensive Exam	-	20%	20%	-	-
250401808W0030	Thesis/Reputable International Publication (Q1-Q2)/Student Project	25%	30%	30%	15%	-

Code of Course	Course Name	Intended Learning Outcomes (ILO)				
		ILO1	ILO2	ILO3	ILO4	ILO5
ELECTIVE COURSES						
Study interest in Forest Management						
250401804P0013	Landscape Ecology	10%	20%	20%	10%	-
250401804P0014	Implementation of Social Forestry and Agroforestry Policies	10%	20%	20%	10%	-
Study interest in Tropical Silviculture						
250401804P0015	Soil Carbon Management and Climate Mitigation	10%	20%	20%	10%	-
250401804P0016	Implementation of Targeted Silvicultural Practices	10%	20%	20%	10%	-
250401804P0017	Biodiversity and Innovation in Insect-Microbe Utilization	10%	20%	20%	10%	-
Study interest in Forest Resources Conservation and Ecotourism						
250401804P0018	Engineering for Ecosystem Services Enhancement	10%	20%	20%	10%	-
250401804P0019	Development of Conservation, Production, and Environmental Services	10%	20%	20%	10%	-
250401804P0020	Soil and Land Conservation Engineering and Capability Enhancement	10%	20%	20%	10%	-
Study interest in Forest Product Technology						
250401804P0021	Eco-efficiency in the Wood Processing Industry	10%	20%	20%	10%	-
250401804P0022	Bio-innovation	10%	20%	20%	10%	-
250401804P0023	Biological Protection and Wood Preservation Technology	10%	20%	20%	10%	-