

Code of Course	Course Name	Intended Learning Outcomes (ILO)								
		ELO1	ELO2	ELO3	ELO4	ELO5	ELO6	ELO7	ELO8	ELO9
190401802P040	Improvement of Wood Quality	-	-	-		-	3	3	2	3
190401802P041	Fiber Processing and Renewable Energy	3	-	-	2	2	-	-	3	3
190401802P042	Technology of Extractive	-	-	-	-	2	-	2	3	-
190401801W050	Research Proposal Qualification	2	2	2	2	-	-	-	-	-
190401801W051	Research Proposal Seminar	2	2	2	2	-	-	-	-	-
190401801W052	Research Result Seminar	3	3	3	3	3	-	3	-	-
190401801W053	Scientific Publication	3	3	3	3	3	-	3	-	-
190401801W054	Thesis Exam	3	3	3	3	3	-	3	3	3
ELECTIVE COURSES										
Study interest in Forest Resources Conservation and Ecotourism										
190401802P014	Integrated Watershed Management	-	-	-	2	-	3	3	-	3
190401802P015	Environmental Microclimatology	-	2	-	3	2	-	-	-	-
190401802P016	Computing and Programming Environment Databases	-	2	-	-	-	-	2	3	-
190401802P017	Conservation Engineering and Land Capability Evaluation	3	-	-	-	-	3	-	-	3
190401802P018	Tourism Target-area Plan and Management	-	-	-	-	2	2	2	3	-
190401802P019	Weather Modification Technology	-	2	3	-	-	-	-	2	-
Study interest in Tropical Silviculture										
190401802P023	Silviculture of Urban Forest	3	-	-	-	-	3	-	3	-
190401802P024	Advance on Agroforestry	3	-	-	-	-	-	2	-	3
190401802P025	Sylvofishery	-	-	-	3	-	-	3	-	2
190401802P026	Insect Biodiversity and The Utilization	-	2	-	3	2	-	-	-	-
190401802P027	Fertilization and Soil Fertility	-	2	3	-	-	-	2	3	-
190401802P028	Advanced on Climate Change	-	-	3	2	2	-	-	-	-
190401802P029	Advance on Biochar	-	2	-	-	-	-	-	2	3

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Studi interest in Forest Management										
190401802P033	Forest Spatial Analysis	3	2	-	-	-	-	3	-	-
190401802P034	Regional Landscape Analysis	-	-	2	3	2	-	3	-	-
190401802P035	Forest Sociology	-	-	3	-	-	3	-	-	3
190401802P036	Forest and Environmental Economics	3	2	-	3	-	-	-	-	-
190401802P037	Forest Policy	-	-	2	-	-	3	-	3	-
190401802P038	Social Forestry	-	-	-	-	2	3	-	-	3
190401802P039	Timber Lagaility and Verification System	-	-	-	-	-	2	-	3	2
Study interest in Forest Product Technology										
190401802P043	Technology of Wood-Based Panel	-	-	3	-	-	-	2	-	3
190401802P044	Eco-efficiency in Wood Industry	3	-	-	-	-	-	-	3	2
190401802P045	Bio-deterioration of Wood	-	2	-	3	-	-	2	-	-
190401802P046	Tree Care and Maintenance	2	2	-	-	3	2	2	-	-
190401802P047	Wood Drying and Preservation	-	2	-	2	2	-	3	-	-
190401802P048	Chemical Biomass Conversion	-	-	-	3	2	-	2	-	3
190401802P049	Technology of Exudate Utilization	-	-	-	2	3	-	3	-	-

Classification of the Modules Contributions: 1 = Low, 2 = Medium, 3 = High

Description of Expected Learning Outcomes (ELO):

ELO1: Internalize scientific values, norms and ethics with responsible performance of work in the field of forestry expertise and the tropical forest environment

ELO2: Have knowledge, in-depth understanding and particular specialization in the field of forestry and tropical forest environments

ELO3: Able to identify, analyze and develop solutions to actual issues and problems in the forestry and tropical forest environment

ELO4: Able to apply logical, critical, systematic and innovative thinking in preparing research and work schemes in the field of forestry and the tropical forest environment

ELO5: Able to position scientific concepts and descriptions resulting from ideas into a research map developed through an inter- or multidisciplinary approach, and can disseminate and communicate them through various media and forums to a wider audience

ELO6: Able to lead, collaborate in a team and be responsible for achieving group work results as well as evaluating and supervising the completion of work under his/her responsibility

ELO7: Able to develop theories, models, techniques and methods that can be applied in the field of forestry and tropical forest environments

ELO8: Able to analyze and evaluate system performance, then make decisions and implement them with more innovative methods

ELO9: Able to recognize and assess the ecological, social and economic implications of the application and implementation of initiatives, approaches, methods and programs in the forestry sector and tropical forest environment