

CURRICULUM MAPPING

SILVICULTURE STUDY PROGRAM, IPB UNIVERSITY

Semester	COURSES										Total ECTS
8	SVK1498 1.6 ECTS Seminar	SVK149B 9.6 ECTS Final Project/Undergraduate Thesis									11.2
7	SVK149A 1.6 ECTS Colloquium										1.6
6	SVK1319 4.8 ECTS Reclamation of Post-Mining Land	SVK131A 4.8 ECTS Forest Influence	SVK131B 3.2 ECTS Tropical Tree Ecology	SVK132A 4.8 ECTS Agroforestry	VK1338 3.2 ECTS Forest Health and Arboriculture	SVK132B 3.2 ECTS Forest Ecosystem Data Science	IPB400 6.4 ECTS Thematic Services Learning Program/Community Outreach (KKN-T)			30.4	
5	SVK1327 6.4 ECTS Forest Genetics and Tree Breeding		SVK1328 6.4 ECTS Forest Plant Propagation Technology		SVK1398 3.2 ECTS Research Methods and Scientific Writing	SVK1336 4.8 ECTS Forest Pathology		SVK1335 4.8 ECTS Forest and Land Fire	SVK1329 4.8 ECTS Natural Forest Silviculture	SVK1313 4.8 ECTS Forest Syn-ecology	33.6
4	SVK1212 4.8 ECTS Forest Ecology	SVK1225 4.8 ECTS Silviculture	MNH1212 4.8 ECTS Forest Resources Inventory		MNH1231 4.8 ECTS Forest Harvesting		SVK1234 4.8 ECTS Forest Entomology	SVK1235 3.2 ECTS Spatial Analysis for Forestry and Environment	FHT1200 4.8 ECTS Forestry Field Practice (PLK)	32.0	
3	SVK1211 4.8 ECTS Dendrology	SVK1231 4.8 ECTS Forest Protection		SVK1215 4.8 ECTS Forest Climate Dynamics		SVK1216 4.8 ECTS Pedology and Forest Nutrition		SVK1224 3.2 ECTS Silvics	THH1201 3.2 ECTS Basic Properties of Biomaterials		25.6
2	IPB10F 3.2 ECTS English	FIS104 4.8 ECTS Physical Science and Technology		KIM104 4.8 ECTS Chemistry Science and Technology	KPM131 3.2 ECTS Sociology	KOM102 3.2 ECTS Computational Thinking	STA111 4.8 ECTS Statistics and Data Analysis	IPB10G 1.6 ECTS Sports and Arts	MNH1101 3.2 ECTS Forestry Science and Environment Ethics	28.8	
1	IPB100 4.8 ECTS Religion	IPB10D 1.6 ECTS Pancasila	IPB10E 1.6 ECTS Civic Education	IPB106 3.2 ECTS Indonesian Language	BIO102 4.8 ECTS Fundamentals of Biology	EKO101 3.2 ECTS Economics	IPB10C 3.2 ECTS Innovative Agriculture	MAT102 4.8 ECTS Mathematics and Logical Thinking			27.2

Note:

Common Core Course	IPB General competencies courses	Academic Core	Core courses for study program
Study Program Fundamentals	Basic courses for study program	SP In-depth Core	In-depth courses within study program
Foundational Literacy	Skills to apply core skills	Final Year Project	Final Year Project and Capstones

K2020 CURRICULUM STRUCTURE OF SILVICULTURE (SVC) STUDY PROGRAM

Curriculum Components	ECTS/Semester								Total ECTS	
	1	2	3	4	5	6	7	8		%
Common Core Courses + Foundational Courses	27.2	28.8							56.0	24.3
Foundational Literacy + Academic Core Courses			25.6	22.4	16				64.0	27.8
In-depth Courses				4.8	17.6	24			46.4	20.1
Final Year Project, Capstones, KKN-T, PLK				4.8		6.4		12.8	24.0	10.4
	27.2	28.8	25.6	32.0	33.6	30.4		12.8	190.4	
Enrichment Courses*	40.0								40.0	17.4
TOTAL									230.4	100

List of Enrichment Courses (40.0 ECTS):

1. Courses or credit earning from study programs outside the SVC (within the scope of the Faculty of Forestry and Environment, the scope of IPB, outside IPB within the country or abroad).
2. Exchange Student/International Exposure.
3. Internship/International Cooperation/Internship at State-owned Enterprise
4. Student Creativity Program/Competition.
5. Teaching Assistant.

Enrichment courses can be taken by student on each of semester as long as the enrichment courses taken not exceeded the maximum credit they could earn in the semester

List of Silviculture Study Program Capstones

1. Development and management of nursery
2. Forest development, silviculture, and forest protection
3. Agroforestry for food security and biodiversity
4. Forest genetics, tree breeding and forest biotechnology
5. Management of forest and land fires, fire impact assessment, and carbon emissions from fires
6. Reclamation of ex-mining land and landscape restoration of mangrove forests, coastal forests, heath forests and mountain forests
7. Analysis of forest health, and dynamics of tropical forest ecosystems