UNDERGRADUATE PROGRAM CURRICULUM
FORESTRY – USP/ESALQ
2017

Courses are sorted by recommended completion sequence			Credits			Hours	
	Mandatory Courses		**In class**	**Workload**	**Total**	**Total**	**Semester**
		First Semester - Total	**30**	**0**	**30**	**450**	
LCB0103	Plant Morphology		4	0	4	60	1
LCE0108	Inorganic and Analytical Chemistry		6	0	6	90	1
LCE0120	Calculus I		4	0	4	60	1
LCF0106	Introduction to Forestry Engineering		3	1	4	75	1
LCF0130	Solutions to Forest Problems		2	1	3	60	1
LFN0212	General Zoology and Parasitology		2	0	2	30	1
LGN0114	Cell Biology		3	1	4	75	1
		First Semester - Total	**24**	**3**	**27**	**450**	
LCB0206	Forest Systematic Botany		4	1	5	90	2
	LCB0103 - Plant Morphology						
LCB0208	Biochemistry		4	0	4	60	2
LCE0220	Calculus II		4	0	4	60	2
	LCE0120 - Calculus I						
LCF0156	Forest Production Chains		2	1	3	60	2
LCF0491	Forest Ecology		4	1	5	90	2
	LCF0106 - Introduction to Forestry Engineering						
LES0130	Issues of Science History and Methodology		2	0	2	30	2
LGN0215	Genetics		3	1	4	75	2
	LGN0114 - Cell Biology						
LGN0232	Molecular Genetics		2	0	2	30	2
	LGN0114 - Cell Biology						
LSO0210	Geology Applied to Soils		2	0	2	30	2
	LCE0108 - Inorganic and Analytical Chemistry						
		Second Semester - Total	**27**	**4**	**31**	**525**	
LCE0216	Introduction to Forest Biostatistics		4	0	4	60	3
	LCE0220 - Calculus II						
LCF0225	Dendrology and Wood Biology		3	1	4	75	3
	LCB0206 - Forest Systematic Botany						
LCF0324	Tree Physiology		3	1	4	75	3
	LCB0206 - Forest Systematic Botany						
	LCB0208 - Biochemistry						
LEB0200	Agro-environmental Physics		4	0	4	60	3
	LCE0106 – Differential and Integral Calculus						
	LCE0220 - Calculus II						
LEB0340	Land Surveying and Geoprocessing I		6	0	6	90	3
LFN0321	Microbiology		4	0	4	60	3
	LGN0114 - Cell Biology						
LSO0300	Soil Chemistry and Fertility		4	0	4	60	3
	LSO0210 - Geology Applied to Soils						
LSO0310	Soil Physics		2	0	2	30	3
	LSO0210 - Geology Applied to Soils						
		Third Semester - Total	**30**	**2**	**32**	**510**	
LCF0522	Principles and Applications of Wood Physics		3	1	4	75	4
	LCF0225 - Dendrology and Wood Biology						
LCF0681	Forest Seed Biology and Production		3	1	4	75	4
	LCF0324 - Tree Physiology						
	LCF0491 - Forest Ecology						
LEA0221	Forest Entomology		5	0	5	75	4
	LCF0106 - Introduction to Forestry Engineering						
	LFN0212 - General Zoology and Parasitology						
LEB0408	Forest Meteorology		4	0	4	60	4
	LEB0200 - Agro-environmental Physics						
LEB0450	Land Surveying and Geoprocessing II		5	0	5	75	4
	LEB0340 - Land Surveying and Geoprocessing I						
LFN0425	Forest Pathology		4	0	4	60	4
	LFN0321 - Microbiology						
LSO0400	Soil Biology		2	0	2	30	4
	LFN0321 - Microbiology						
	LSO0300 - Soil Chemistry and Fertility						
LSO0410	Soil Genesis, Morphology and Classification		4	0	4	60	4
	LSO0300 – Soil Chemistry and Fertility						
	LSO0310 – Soil Physics						
		Fourth Semester - Total	**30**	**2**	**32**	**510**	

Courses are sorted by recommended completion sequence			Credits			Total	
	Mandatory Courses	In class	Workload	Total	hours	Semester
LCF0335	Principles and Applications of Forest Products Chemistry I	3	1	4	75	5
	LCF0225 - Dendrology and Wood Biology					
LCF0410	Forest Mensuration	4	1	5	90	5
	LCE0216 - Introduction to Forest Biostatistics					
LCF0493	Tropical Forestry	3	1	4	75	5
	LCF0681 - Forest Seed Biology and Production					
LCF0621	Establishment and Regeneration of Forest Plantations	4	1	5	90	5
	LSO0300 - Soil Chemistry and Fertility					
	LSO0310 - Soil Physics					
LCF0720	Forest Nursery	3	1	4	75	5
	LCF0681 - Forest Seed Biology and Production					
LEB0332	Mechanics and Power Units in Agriculture	2	0	2	30	5
	LEB0340 - Land Surveying and Geoprocessing I					
LES0129	Sociology and Extension	4	0	4	60	5/6
	LCF0681 - Forest Seed Biology and Production					
	Fifth Semester - Total	**23**	**5**	**28**	**495**	
LCF0510	Forest Inventory	4	1	5	90	6
	LCF0410 - Forest Mensuration					
LCF0623	Mechanical Properties and Wood Structures	4	1	5	90	6
	LCF0522 - Principles and Applications of Wood Physics					
LCF0650	Forest Product Industrialization I	2	1	3	60	6
	LCF0623 - Mechanical Properties and Wood Structures					
LCF0676	Forest Improvement I	4	0	4	60	6
	LCF0491 - Forest Ecology					
	LGN0215 - Genetics					
LCF0679	Forest Administration, Public Policies and Legislation	3	1	4	75	6
	LES0129 - Sociology and Extension					
	Sixth Semester - Total	**17**	**4**	**21**	**375**	
LCF0445	Principles and Applications of Forest Products Chemistry II	3	1	4	75	7
	LCF0335 - Principles and Applications of Forest Products Chemistry I					
LCF0670	Forest Product Processing II	4	1	5	90	7
	LCF0225 - Dendrology and Wood Biology					
	LCF0335 - Principles and Applications of Forest Products Chemistry I					
	LCF0522 - Principles and Applications of Wood Physics					
LCF0678	Forest Watershed Management	3	1	4	75	7
	LCF0621 - Establishment and Regeneration of Forest Plantations					
LCF0685	Economics of Forest Resources	3	1	4	75	7
	LCE0106 – Differential and Integral Calculus					
	LCE0220 - Calculus II					
LCF0691	Conservation and Protected Areas Management	4	1	5	90	7
	LCF0491 - Forest Ecology					
LEB0418	Rural Buildings and Technical Drawing	4	0	4	60	7/8
	LEB0340 - Land Surveying and Geoprocessing I					
	Seventh Semester - Total	**21**	**5**	**26**	**465**	
LCF0586	Management of Forest Resources	3	1	4	75	8
	LCF0685 - Economics of Forest Resources					
LCF0637	Tropical Forest Management	3	1	4	75	8
	LCF0510 - Forest Inventory					
LCF0683	Harvesting and Transport of Wood	4	0	4	60	8
	LCF0678 - Forest Watershed Management					
LCF1680	Regeneration and Forest Management	4	1	5	90	8
	LCF0678 - Forest Watershed Management					
	Eight Semester - Total	**14**	**3**	**17**	**300**	
0112000	Final Report in Forestry	2	8	10	270	9/10
	Ninth Semester - Total	**2**	**8**	**10**	**270**	
	Grand Total	**188**	**36**	**224**	**3900**	

** Courses in italics are prerequisites to courses displayed above them*

Students admitted after 2007 must work 210 hours in internship courses of their own choice

Ideal duration: 10 semesters ***Minimum duration: 9 semesters*** ***Maximum duration: 15 semesters***

Total credits required for bachelor degree program completion: 250 (in class + workload)

Completion requirements for Licentiate degree in Agriculture: 250 credits (in class + workload) + # of credits required for licentiate degree.

Last update: Feb, 2017