Ministry of Education and Training
Nong Lam University

CREDIT BASED CURRICULUM

(Pursuant to the decision: 3434/QD-DHNL-DT, November -11- 2020 of President)

Credit based Training System: Formal Undergraduate (Full-time)
Faculty :Faculty of Forestry (LN)
Discipline : Wood Technology **Major: Wood Technology**
Minimum credits: 158 Credits
Minimum GPA: 2.0

No	Course ID	Course name	Credits	Total hours	Theory	Practice	Field study	Dissertation	Thesis	Year	Semester	Previous course	Prerequisite	Concurrent
1. General knowledge														
Compulsory **subjects**														
1	200101	Philosophy of Marxism and Leninism	3	45	45	0	0	0	0	1	1			
2	202112	Advanced Mathematics B1	2	30	30	0	0	0	0	1	1			
3	202501	Physical Education 1	1	45	0	0	45	0	0	1	1			
4	205835	Introductory forest products processing technology	4	60	60	0	0	0	0	1	1			
5	213603	English 1	3	60	30	30	0	0	0	1	1			
6	214103	General Informatics	2	30	30	0	0	0	0	1	2	200101		
7	200102	Political Economics of Marxism and Leninism	3	45	45	0	0	0	0	1	2			
8	200201	Military training (theory)	3	90	0	90	0	0	0	1	2			
9	200202	Military training (practice)	2	30	30	0	0	0	0	1	2	202112		
10	202113	Advanced Mathematics B2	1	45	0	0	45	0	0	1	2			
11	202502	Physical Education 2	2	30	30	0	0	0	0	1	2			
12	202622	General Law	3	60	30	30	0	0	0	1	2			
13	205588	Technical drawing in Wood Technology	3	45	45	0	0	0	0	1	2	213603		
14	213604	English 2	2	30	30	0	0	0	0	2	1	200102		
15	200103	Scientific Socialism	3	45	45	0	0	0	0	2	1	202113		
16	202121	Probability and Statistics	3	60	30	30	0	0	0	2	1			
17	200107	Ho Chi Minh Ideology	2	30	30	0	0	0	0	2	2	200103		
18	200105	History of Vietnamese Communist Party	2	30	30	0	0	0	0	3	1	200107		
Total			*44*	*810*	*540*	*180*	*90*	*0*	*0*					
Elective subject - completed 0101 - accumulated at least 2 credits : 5 credits														
1	205568	Communication and Negotiation Skills	3	45	45	0	0	0	0	1	2			
2	205569	2D and 3D Graphics	3	60	30	30	0	0	0	2	1			

3	205570	Project Management in Wood industry	2	45	15	30	0	0	0	2	1			
4	207109	Fundamentals of Electrical Engineering	2	45	15	30	0	0	0	2	1			
Total			*10*	*195*	*105*	*90*	*0*	*0*	*0*					
2. Fundamental specialized knowledge														
Compulsory **subjects**														
1	205540	Wood science	4	75	45	30	0	0	0	2	1			
2	205541	Sawing technology	3	60	30	30	0	0	0	2	1			
3	205815	Autocad application	3	60	30	30	0	0	0	2	1			
4	205543	Lumber drying technology	3	60	30	30	0	0	0	2	2	205540		
5	205562	Wood preservation technology	3	60	30	30	0	0	0	2	2	205540		
6	205572	Ergonomics in Design and Manufacturing	3	60	30	30	0	0	0	2	2			
7	205573	Wood Adhesive and Principles of Adhesion	3	60	30	30	0	0	0	2	2	205540		
8	205574	Principles of cutting wood	3	60	30	30	0	0	0	2	2			
9	205575	Application of Software in Wood Product Manufacturing	3	60	30	30	0	0	0	2	2			
10	205577	CAD/CAM and CNC Machines in Wood Product Manufacturing	2	45	15	30	0	0	0	2	2			
11	205988	Fundamental specialized Internship 1	3	135	0	0	135	0	0	3	1			
12	205578	Fundamental specialized Internship 2	3	135	0	0	135	0	0	3	2			
13	205840	Marketing in Wood Industry	2	30	30	0	0	0	0	4	1			
Total			*38*	*900*	*330*	*300*	*270*	*0*	*0*					
Elective subject - completed 0201 - accumulated at least 2 credits : 8 credits														
1	205546	Optimization in wood processing	3	60	30	30	0	0	0	2	1			
2	205579	Wood Modification	2	45	15	30	0	0	0	2	2	205540		
3	205581	Wood Chemistry	3	60	30	30	0	0	0	2	2	202113		
4	205582	Timber Classification of The International Timber Trade	3	60	30	30	0	0	0	2	2	205540		
5	207511	Automatic control	2	35	20	15	0	0	0	2	2			
6	205580	Interior Materials and Hardware for Wood Products	3	60	30	30	0	0	0	3	1			
7	207601	Operation Computer Numerical Control (CNC) Machine	2	60	0	60	0	0	0	3	1			
Total			*18*	*380*	*155*	*225*	*0*	*0*	*0*					
3. Specialized knowledge														
Compulsory **subjects**														
1	205583	Wood Product Design	4	75	45	30	0	0	0	3	1	205815		
2	205584	Papermaking techonology	3	60	30	30	0	0	0	3	1	205540 205574		
3	205616	Labor safe and industrial environment protection	2	30	30	0	0	0	0	3	1			
4	205778	Enterprise Management	3	45	45	0	0	0	0	3	1			
5	205822	Structural Design for Wood Structures	3	60	30	30	0	0	0	3	1	205540		
6	205545	Wood-based board Technology	4	75	45	30	0	0	0	3	2	205573		

7	205548	Finishing Technology	3	45	45	0	0	0	0	3	2	205573		
8	205563	Furniture Processing Technology	4	75	45	30	0	0	0	3	2	205543 205541		
9	205585	Wood Processing Machinery	3	60	30	30	0	0	0	3	2	205540 205574		
10	205567	English in Wood Technology	3	45	45	0	0	0	0	4	1			
11	205586	Supervision and execution of interior project	2	45	15	30	0	0	0	4	1			
12	205587	Wood Processing Seminar	2	45	15	30	0	0	0	4	1			
13	205589	Production and Quality Management	3	60	30	30	0	0	0	4	1			
14	205590	Specialized Internship	4	180	0	0	180	0	0	4	1			
Total			*43*	*900*	*450*	*270*	*180*	*0*	*0*					
Elective subject - completed 0301 - accumulated at least 2 credits : 8 credits														
1	205557	Layout design for wood processing factory	2	45	15	30	0	0	0	3	2			
2	205591	Interior Design	3	60	30	30	0	0	0	3	2			
3	205592	Packaging Design and Development	3	60	30	30	0	0	0	3	2			
4	205566	Startup in Forestry	2	30	30	0	0	0	0	4	1			
5	205593	Bamboo and Rattan Product Manufacturing Technology	3	60	30	30	0	0	0	4	1			
6	205594	Structural Design Calculations for Furniture	2	30	30	0	0	0	0	4	1			
7	205595	Application of KPIs, Kaisen and 5S in Wood Processing	2	30	30	0	0	0	0	4	1			
Total			*17*	*315*	*195*	*120*	*0*	*0*	*0*					
Elective subject - completed 0302 - accumulated at least 2 credits : 12 credits														
1	205909	Bachelor's Essay	5	75	0	0	0	75	0	4	2			
2	205926	Bachelor's Thesis	12	180	0	0	0	0	180	4	2			
Total			*17*	*255*	*0*	*0*	*0*	*75*	*180*					

Total credits of required subjects: 125 credits

Total credits of elective subjects: 33 credits

(*) Compulsary modules, students have to pass them, however they are not accounted in the cumulative overall GPA.

Graduation Methods:

1.Thesis (12 credits)

2.Essay (5 credits) + completion of 7 credits of elective subjects

Note: In addition to the above 158 credits, students must meet the output criteria of Foreign Language and Informatics in accordance with the regulations of the university.

Ho Chi Minh city, November 11 - 2020

President of Nong Lam University - Ho Chi Minh City **Head of Academic Affairs Department** **Dean of Food Science and Technology**