

Faculty of Wood Technology

STUDY CURRICULUM

Field of study Wood Science

Course	Number of ECTS credits	Number of hours						asses-ment ³	Department/Institute
		Total (4+5+6+7+8)	teaching hours			contact hours	ESW ²		
			lectures	pract. classes	others ¹				
1	2	3	4	5	6	7	8	9	10
Semester 1									
Wood sciences	6	153	30	40	0	8	75	EX	DWS
Wood chemistry	5	138	15	40	0	8	75	EX	ICHWT
Wood biodeterioration and its preservation	6	153	30	40	0	8	75	EX	ICHWT
Hygroscopic properties of wood and wood based panels	4	103	30	0	0	8	65	EX	DEMTT
total number of hours – semester 1	21	547	105	120	0	32	290		
Semester 2									
Adhesives in wood based composites production	5	133	20	25	0	8	80	GA	DWBM
Lacquer coating	5	128	20	40	0	8	60	EX	DWBM
Wood fire protection	4	103	20	30	0	8	45	EX	ICHWT
Furniture design	4	103	15	30	0	8	50	GA	DFD
Properties of tropical wood species	3	88	10	15	0	8	55	EX	DWS
Quality of wood machining	4	118	15	25	0	8	70	GA	DWMMC
Multi-sensor characterization and evaluation of bio-materials	3	78	20	0	0	8	50	GA	DWMMC
Seminar I	2	62	25	0	0	7	30	GA	
total number of hours – semester 2	30	813	145	165	0	63	440		

Semester 3									
Wood modification	4	108	15	15	0	8	70	EX	DWBM
Timber drying	5	128	30	30	0	8	60	EX	DEMTT
Electives 1. Woodworking machines and tools testing 2. CNC machining centres	3	83	15	20	0	8	40	GA	DWMMC
Conservation and renovation of furniture	3	72	10	15	0	7	40	GA	DFD
Electives 1. Performance of bio-based building materials 2. Application of spectroscopy in wood science and technology	3	73	25	0	0	8	40	GA	ICHWT
Conservation of archaeological wood	4	114	15	15	25	9	50	GA	ICHWT
Seminar II	2	62	25	0	0	7	30	GA	
total number of hours – semester 3	24	640	135	95	25	55	330		
Semester 4									
Economics	5	102	35	0	0	7	60	EX	FESS
Seminar III	2	62	25	0	0	7	30	GA	
MSc thesis and exam	20	703	0	0	0	403	300	EX	
total number of hours – semester 4	27	867	60	0	0	417	390		
total for studies (four semesters)	102	2867	445	380	25	567	1450		

¹ any activities other than conversatory, laboratory or design classes (e.g. site visits, case study visits, excursions and others)

² EX – examination; GA – graded assignment;

ESW - estimated number of student work hours

DWS – Department of Wood Science

ICHWT – Institute of Chemical Wood Technology

DEMTT - Department of Engineering Mechanics and Thermal Techniques

DWBM - Department of Wood-Based Materials

DFD - Department of Furniture Design

DWMMC - Department of Woodworking Machinery and Machine Construction

FESS - Faculty of Economics and Social Sciences