Semester Course Plan – Master in HVAC Engineering

Semester 1

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hours	Semester Hours	Consultation	Evaluation
UEF 1.1.1	Residential Building Heating	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
	Air Ventilation & Conditioning I	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
	Applied Electrotechnics	2	1	1h30	22h30	27h30	100%
UEF 1.1.2	Hydraulic Networks	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
	Industrial Cooling Technology	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
UEM 1.1	Numerical Modeling	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
	Electrotechnics Lab	2	1	1h30	22h30	27h30	100%
	Refrigeration Machines Lab	2	1	1h30	22h30	27h30	100%
	HVAC Network CAD	1	1	1h00	15h00	10h00	100%
UED 1.1	Turbomachines	1	1	1h30	22h30	2h30	100%
	Reliability	1	1	1h30	22h30	2h30	100%
UET 1.1	Technical English and Terminology	1	1	1h30	22h30	2h30	100%

Semester 2

Teaching Unit	Subjects	Credits	Coefficient	Weekly Hours	Semester Hours	Consultation	Evaluation
UEF 1.2.1	Cold Production and Drying	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
	Air Ventilation & Conditioning II	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
UEF 1.2.2	Climate System Regulation	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
	Heating Systems	6	3	1h30 + 1h30 TP	67h30	82h30	CC 40% / Exam 60%
UEM 1.2	Software Use for HVAC	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
	Air Conditioning Systems	4	2	1h30	45h00	55h00	CC 40% / Exam 60%
	Lab: Climate System Regulation	1	1	1h00	15h00	10h00	100%
UED 1.2	Thermal Devices	1	1	1h30	22h30	2h30	100%
	Water Treatment	1	1	1h30	22h30	2h30	100%
UET 1.2	Norms, Ethics & Integrity	1	1	1h30	22h30	2h30	100%