

EEN-E4004 Fundamentals of HVAC Design

Week	Date	Time	Contents	Tasks	Location
9	27.2.2019	16.15-18.00	Introducing course, Construction process, HVAC design assignment in general, tasks and the scope of design work, HVAC design of one family housing		R008/326
10	6.3.2019	16.15-18.00	Choice of heating production, Energy calculations,	Task 1	R008/326
11	13.3.2019	16.15-18.00	Comparison and choice of heating systems	Task 2	R008/326
12	20.3.2019	16.15-18.00	Air conditioning design	Task 3	R008/326
13	27.3.2019	16.15-18.00	Water and sewer design	Task 4	R008/326
14	3.4.2019	16.15-18.00	Preliminary design phase	Task 5	R008/326
15	10.4.2019		No lecture		
16	17.4.2019	16.15-20.00	Feedback and evaluation of preliminary design phase (tasks 1-5), Introduction of Design programmes, Tender Phase Design	Task 6	R001/Y338
17	24.4.2019	16.15-18.00	Basics of MagiCAD		R001/Y338
18	1.5.2019		No lecture		
19	8.5.2019	16.15-18.00	MagiCAD practise		R001/Y338
20	15.5.2019	16.15-18.00	MagiCAD practise		R001/Y338
21	22.5.2019	16.15-18.00	Return of MagiCAD design		R008/326

Task 1 Heat loss calculation

Task 2 Comparison and choice of heating systems

Task 3 Air flow calculations + AHU design

Task 4 Water and sewer calculations

Task 5 Draft drawing (hand made)

Task 6 MagiCAD design