



TABLE 2: COURSE DISTRIBUTION PER SEMESTER

MASTER OF ENGINEERING

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total hours/ Academic semester	Number of ECTS
A' Semester (Winter)								
1.	Compulsory (Prerequisite)	Basic Principles of Interdisciplinary Engineering	POL 500	4 three-hour lecture		1 week before the beginning of the semester	N/A	1
2.	Compulsory (core course)	Energy Efficiency of Buildings	CEE 536	1	3 hours	13	39	8
3.	Compulsory (core course)	Renewable Energy Technology	MME 516	1	3 hours	13	39	8
4.	Compulsory (core course)	Research Methodologies	POL 800	1	4 hours (3 hours lectures & 1 hours recitation)	13	39	8



5.	Compulsory	Advanced Project: Capstone Design & Research Project I	POL 604	1	3 hours	13	39	6
B' Semester (Spring)								
1	Compulsory (core course)	Environmental Building Design	ARH 538	1	3 hours	13	39	8
2	Compulsory (core course)	Building Integration of photovoltaics (BIPV) in a Nearly Zero Energy Building (NZEB)	ECE 687	1	4 hours (3 hours lectures & 1 hours recitation)	13	39	8
3	Compulsory	Engagement with practice and industry	POL 700	4 lectures or/and educational visits		N/A	N/A	1
4	Compulsory	Advanced Project: Capstone Design & Research Project II	POL 704	1	3 hours	13	39	8
C' Semester (Winter)								
1	Constrained Elective	Selection from a list of courses	ARH 5XX/ ECE XXX/ MME 5XX/ CEE 5XX	1	3 hours	13	39	8
2	Constrained Elective	Selection from a list of courses	ARH 5XX/ ECE XXX/ MME 5XX/ CEE 5XX	1	3 hours	13	39	8



3	Constrained Elective	Selection from a list of courses	ARH 5XX/ ECE XXX/ MME 5XX/ CEE 5XX	1	3 hours	13	39	8
1	Compulsory	Advanced Project: Capstone Design & Research Project III	POL 804*	1	3 hours	7	21	10

*offered in the summer semester

MASTER OF SCIENCE

A/A	Course Type	Course Name	Course Code	Periods per week	Period duration	Number of weeks/ Academic semester	Total hours/ Academic semester	Number of ECTS
A' Semester (Winter)								
1	Compulsory	Basic Principles of Interdisciplinary Engineering (Prerequisite)	POL 500	4 three-hour lecture		1 week before the start of the semester	N/A	1
2	Compulsory (core course)	Energy Efficiency of Buildings	CEE 536	1	3 hours	13	39	8
3	Compulsory (core course)	Renewable Energy Technology	MME 516	1	3 hours	13	39	8
4	Compulsory (core course)	Advanced Project: Capstone Design & Research Project I	POL 604	1	3 hours	13	39	6
5	Compulsory (core course)	Research Methodologies	POL 800	1	4 hours (3 hours lectures & 1 hours recitation)	13	39	8
B' Semester (Spring)								



1	Compulsory (core course)	Environmental Building Design	ARH 538	1	3 hours	13	39	8
2	Compulsory (core course)	Building Integration of photovoltaics (BIPV) in a Nearly Zero Energy Building (NZEB)	ECE 687	1	4 hours (3 hours lectures & 1 hours recitation)	13	39	8
3	Compulsory	Engagement with practice and industry	POL 700	4 lectures or/and educational visits		N/A	N/A	1
4	Compulsory	Advanced Project: Capstone Design & Research Project II	POL 704	1	3 hours	13	39	8
5	Compulsory	Master Thesis Research I	POL 718	N/A	N/A	13	N/A	6
C' Semester (Winter)								
1	Compulsory	Master Thesis Research II	POL 719	N/A	N/A	13	N/A	8
2	Compulsory	Master Thesis Research III	POL 720	N/A	N/A	13	N/A	8
3	Compulsory	Master Thesis Research IV	POL 721	N/A	N/A	13	N/A	8
4	Compulsory	Advanced Project: Capstone Design & Research Project III	POL 804*	1	3 hours	7	21	10

*offered in the summer semester