

Table 5.1.b. Course schedule by semesters and years of study for **master academic studies**  
**- NEW SOURCES OF ENERGY**

No	Code	Course name	S	Active learning classes				Other classes	ECTS	C/O	Type of course
				L	P	IRP	OTC				
<b>FIRST YEAR</b>											
1.	MNIE-01	Research Methodology	1	2	2	0	0		5	C	TM
2.	MNIE-02	Heat Transfer Processes	1	3	4	0	0		7	C	TM
3.	MNIE-03	Foreign Language (English or French)	1	2	2	0	0		4	C	TM
<b>OPTIONAL COURSES 1</b>											
4.	MNIE-04	Planning and Managing Renewable Energy	1	3	3	0	0		7	O - 1	PA
	MNIE-05	Contemporary Energy Systems	1	3	3	0	0		7	O - 1	PA
	MNIE-06	Innovations and Technologies	1	3	3	0	0		7	O - 1	TM
	MNIE-07	Energy Efficiency and Consumption	1	3	3	0	0		7	O - 1	PA
Total class number (lectures+practice, OTC, other classes) and ECTS in the year				13	14	0					
<b>Total number of active classes in a year</b>				<b>27</b>							
<b>OPTIONAL COURSES 2</b>											
6.	MNIE-08	Performance of Energy System Processes	2	3	3	0	0		6	O - 2	PA
	MNIE-09	Equipment and Systems for Energy Distribution	2	3	3	0	0		6	O - 2	PA
	MNIE-10	Energetics and Environmental Protection	2	3	3	0	0		6	O - 2	PA
	MNIE-11	Energy Storage Technologies	2	3	3	0	0		6	O - 2	PA
8.	MNIE-12	Designing Energy and Process Systems	2	3	4	0	0		7	C	PA
9.	MNIE-13	Internship	2	0	0	0	0	6	3	C	PA
10.	MNIE-14	Master Thesis – Research Paper	2	0	0	0	0	2	1	C	PA
11.	MNIE-15	Master Thesis – preparing and defending paper	2	0	0	1	0	1	7	C	PA
Total class number (lectures+practice, OTC, other classes) and ECTS in the year				9	10	1		9			
<b>Total number of active classes in a year</b>				<b>47</b>							
<b>Total number of active classes, other classes and credits for all study years</b>				<b>56</b>							<b>60</b>
<b>Note:</b> Optional courses 1 - a student chooses 2 out of 4 optional courses in the 1 <sup>st</sup> semester Optional courses 2 - a student chooses 2 out of 4 optional courses in the 2 <sup>nd</sup> semester											

S - semester

L - lecture

P - practice

C - compulsory

O - optional

IRP - Independent research project

OTC - other types of classes

TM -Theoretical and methodological

PA - Professional and applicable