

## Thermotechnics

(6 semesters, three - year study), 180 ECTS

### 1. year – I. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Mathematics I	4	-	3	8
2	Statics	2	-	3	5
3	Graphic Communications	2	-	2	4
4	Basic Informatics	2	-	3	5
5	Materials	2	-	2	5
6	Foreign Language I	2	1	-	3
	<b>Total in semester</b>	<b>14</b>	<b>1</b>	<b>13</b>	<b>30</b>

### 1. year – II. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Mathematics II	4	-	3	8
2	Kinematics	2	-	1	4
3	Programming	2	-	2	4
4	Basic of electrotechnics I	3	-	2	5
5	Material Resistance	2	-	2	5
6	Foreign Language II	2	-	1	4
	<b>Total in semester</b>	<b>15</b>	<b>-</b>	<b>12</b>	<b>30</b>

### 2. year – III. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Mathematics III (Numeric Mathematics and Statistics)	4	-	3	8
2	Dynamics and Oscillation	2	-	2	4
3	Machine Elements I	2	-	2	4
4	Basic of electrotechnics II	3	-	2	5
5	Basic of electroenergetics	2	-	2	5
6	Physics <sup>1)</sup>	2	-	1	4
	<b>Total in semester</b>	<b>14</b>		<b>13</b>	<b>30</b>

### 2. year – IV. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Thermodynamics	2	-	3	6
2	Fluid Mechanics	2	-	2	5
3	Machine Elements II	2	-	2	5
4	Electric machines	3	-	1	5
5	Basic elements of electroenergetic systems	2	-	2	5
6	Chemistry	2		1	4
	<b>Total in semester</b>	<b>16</b>		<b>13</b>	<b>30</b>

## 3. year – V. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Engineering measurements	2	-	3	6
2	Engineering projecting	2	-	3	5
3	Heat and Mass Transfer	2	-	2	4
4	Ecology	2	-	1	4
5	Electrical mains	2	-	2	5
6	Electrical Drives	2	-	1	3
7	Engineering Economics	2	-	1	3
	<b>Total in semester</b>	<b>14</b>	<b>-</b>	<b>13</b>	<b>30</b>

## 3 year – VI. semester

No.	Courses	Hours per week			ECTS Credits
		P	S	V	
1	Heating and Air Conditioning	2	-	2	7
2	Cooling Devices	2	-	2	4
3	Renewal and Secondary Energy Sources	2	-	2	4
4	District Heating Systems	2	-	2	5
5	Elective courses:	2	-	2	5
	Theory of Ignition and Combustion				
	Energy efficiency in Construction Industry				
6	Final thesis				5
	<b>Ukupno u semestru</b>	<b>12</b>		<b>12</b>	<b>30</b>