

## Course Characteristics

### “POLYGRAPHY”

ECTS Course code T P SN

- T - type of course: **B** for BEng, **M** for MEng;
- **P** - " Polygraphy";
- SN - subsequent number of the subject

Lectures (L), tutorials (Tut.), labs (Lab.), Self study (SS) weekly;

exam (E), continuous assessment (CA); semester projects (SP) / semester assignment (course work) (SA)

№	COURSE	Week Load						Assessment				ECTS subject code	ECTS credits
		L	Tut.	Lab.		SS	Total	E	CA	SP	SA		

#### SEMESTER I

1	Higher mathematics – part I	2	1.5	0	3.5	5.5	9	1				BP01	5
2	Chromatics	1.5	0	3	4.5	4.5	9	1				BP02	6
3	Physics	3	0	1.5	4.5	4.5	9	1				BP03	5
4	Chemistry - part I	1.5	0	1	2.5	3.5	6	1				BP04	4
5	Engineering graphics	1.5	0	3	4.5	4.5	9		1		1	BP05	5
6	Informatics	1.5	0	2	3.5	4.5	8		1		1	BP06	5
7	Physical education	0	(3)	0	(3)							BP07	
TOTAL		11	1.5	10.5	23	27	50	4	2		2		30

#### SEMESTER II

8	Higher mathematics – part II	2	2	0	4	5	9	1				BP08	5
9	Chemistry – part II	2	0	1.5	3.5	4.5	8	1				BP09	5
10	Mechanics of fluids	2	0	1.5	3.5	4.5	8	1			1	BP10	5
11	Science and technology of materials	2	0	1.5	3.5	4.5	8	1				BP11	5
12	Computer processing of text information	1.5	0	3	4.5	4.5	9		1		1	BP12	5
13	Foreign language	0	4	0	4	4	8		1			BP13	5
14	Physical education	0	(3)	0	(3)							BP14	
TOTAL		9.5	6	7.5	23	27	50	4	2		1		30

№	COURSE	Week Load						Assessment				ECTS subject code	ECTS credits
		L	Tut.	Lab.		SS	Total	E	CA	SP	SA		

### SEMESTER III

15	Polygraphy Materials – part I	3	0	1.5	4.5	4.5	9	1				BP15	5
16	Mechanics	3	0	1.5	4.5	4.5	9	1				BP16	5
17	Technology of Machine Building	2	0	1.5	3.5	4.5	8	1			1	BP17	5
18	Electrical engineering	2	0	1.5	3.5	4.5	8	1				BP18	5
19	Metrology and measuring equipment	2	0	1.5	3.5	4.5	8		1			BP19	5
20	Optics and optic devices	2	0	1.5	3.5	4.5	8		1		1	BP20	5
21	Physical education	0	(3)	0	(3)							BP21	
TOTAL		14	0	9	23	27	50	4	2		2		30

### SEMESTER IV

22	Polygraphy Materials – part II	2	0	1.5	3.5	4.5	8	1				BP22	5
23	Electronics	2	0	1.5	3.5	4.5	8	1				BP23	5
24	Electromechanic devices	3	0	2	5	5	10	1			1	BP24	5
25	Photography	2	0	2	4	4	8	1			1	BP25	5
26	Thermotechnics and thermal processes in Polygraphy	2	0	1.5	3.5	4.5	8		1			BP26	5
27	CAD/CAM software products	1.5	0	2	3.5	4.5	8		1			BP27	5
28	Physical education	0	(3)	0	(3)							BP28	
TOTAL		12.5	0	10.5	23	27	50	4	2		2		30

### SEMESTER V

29	Hydraulic and pneumatic drive	1.5	0	1.5	3	3	6		1			BP29	4
30	Electrical drive	3	0	1.5	4.5	6.5	11	1		1		BP30	6
31	Precise equipment elements	2	0	1.5	3.5	5.5	9	1				BP31	6
32	Polygraphic equipment – part I	3	0	2	5	5	10	1				BP32	6
33	Computer systems	2	0	1.5	3.5	5.5	9	1				BP33	5
34	Technical safety	1.5	0	1	2.5	2.5	5		1			BP34	3
TOTAL		13	0	9	22	28	50	4	2	1			30

№	COURSE	Week Load						Assessment				ECTS subject code	ECTS credits
		L	Tut.	Lab.		SS	Total	E	CA	SP	SA		

### SEMESTER VI

35	Polygraphic equipment – part II	3	0	1.5	4.5	4.5	9	1				BP35	6
36	Polygraphic technologies – part I	2	0	1.5	3.5	4.5	8	1				BP36	5
37	Printing and Photocopying equipment	2	0	1.5	3.5	4.5	8		1			BP37	5
38	Packing equipment	2	0	1.5	3.5	4.5	8	1				BP38	4
39	Microprocessing circuitry	2	0	1.5	3.5	4.5	8	1				BP39	4
40	Graphic Design	3	0	1.5	4.5	4.5	9		1	1		BP40	6
<b>TOTAL</b>		<b>14</b>	<b>0</b>	<b>9</b>	<b>23</b>	<b>27</b>	<b>50</b>	<b>4</b>	<b>2</b>	<b>1</b>			<b>30</b>

### SEMESTER VII

41	Economics	2	1.5	0	3.5	3.5	7		1			BP41	4
42	Polygraphic equipment – part III	3	0	2	5	5	10	1		1		BP42	6
43	Polygraphic technologies – part II	2	0	1.5	3.5	4.5	8	1				BP43	5
44	Operation of Polygraphic equipment	2	0	1.5	3.5	4.5	8	1				BP44	5
45	Control and Management of Quality in Polygraphy	2	0	1.5	3.5	4.5	8	1				BP45	5
46	Image processing – part I	2	0	2	4	5	9		1			BP46	5
<b>TOTAL</b>		<b>13</b>	<b>1.5</b>	<b>8.5</b>	<b>23</b>	<b>27</b>	<b>50</b>	<b>4</b>	<b>2</b>	<b>1</b>			<b>30</b>

### SEMESTER VIII – 10 WEEK

47	Marketing and Advertising	3	0	2	5	7	12	1				BP47	5
48	Company Management	3	0	2	5	7	12	1				BP48	5
49	Image processing – part II	3	0	2	5	8	13	1				BP49	5
50	Polygraphic technologies – part III	3	0	2	5	8	13	1		1		BP50	5
<b>DIPLOMA PROJECT 15 WEEK</b>		<b>DIPLOMA EXAMINATION</b>										<b>10</b>	
<b>TOTAL</b>		<b>12</b>	<b>0</b>	<b>8</b>	<b>20</b>	<b>30</b>	<b>50</b>	<b>4</b>		<b>1</b>			<b>30</b>

## **BASIC CURRICULUM PARAMETRES**

1. Period of training - 4 years, 8 semesters
  
2. Auditorium load according to the curriculum  
Total – 2600 hours out of which:
  - Lectures – 1425 hours
  - Seminars – 135 hours
  - Laboratory classes – 1040 hours
  
3. Total number of courses
  - 3.1. Compulsory – 46
  - 3.2. Optional – none
  
4. Assessment
  - 4.1. Compulsory – 32
  - 4.2. Continuous assessment – 14
  - 4.3. Course project – 4
  - 4.4. Original paper – 8

Approved by FC of FMI on 08.04.2004 with protocol № 7

Approved by AC of TU-Sofia on 23.06.2004 with protocol № 7