

**STUDY PLAN**

valid beginning with academic year 2009 - 2010

No.	FIRST YEAR		Semester 1				Semester 2				Credit points.	Prep. hours	Ei, Ci	No. of hours		
	Courses	Courses cod	C	S	L	P	C	S	L	P				Class	Apl.	Total
1	Linear Algebra	2SA1OF01	2	2							4	2	E1	28	28	56
2	Mathematical Analysis	2SA1OF02	2	2							4	2	E1	28	28	56
3	Computer Programming	2SA1OF03	2		2						5	2.5	E1	28	28	56
4	Databases	2SA1OS04	2		1						4	1.5	E1	28	14	42
5	Electrotechnics	2SA1OD05	3		2						5	1	E1	42	28	70
6	Chemistry	2SA1OF06	2		2						3	1	C1	28	28	56
7	Optional Course OP 11	2SA1AX07	1	1							2	1	C1	14	14	28
8	Optional Course OP 12	2SA1AX08		2							2	1	C1	0	28	28
9	Special Mathematics	2SA2OF09					2	2			4	2	E2	28	28	56
10	Electrical actuating and machines	2SA2OD10					3		2		6	2	E2	42	28	70
11	Computer Assisted Graphics	2SA2OF11					2		2		4	2.5	E2	28	28	56
12	Programming Languages I	2SA2OF12					2		2		5	1.5	E2	28	28	56
13	Linear electronic circuits	2SA2OD13					3		2		6	2	E2	42	28	70
14	Physics	2SA2OF14					2		2		4	1	C2	28	28	56
15	Optional Course OP 13	2SA2AX15						2			2	1	C2	0	28	28
<b>TOTAL FIRST YEAR</b>			<b>14</b>	<b>7</b>	<b>7</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>10</b>	<b>0</b>	<b>60</b>	<b>12 12</b>		<b>392</b>	<b>392</b>	<b>784</b>
16	Physical Education *	2SA3OX16		2					2		2		A/R	0	56	56

No.	SECOND YEAR		Semester 3				Semester 4				Credit points.	Prep. hours	Ei, Ci	No. of hours		
	Courses	Courses cod	C	S	L	P	C	S	L	P				Class	Apl.	Total
17	Numerical Calculus	2SA3OF17	2	2							4	2	E3	28	28	56
18	Digital Devices Analysis and Synthesis	2SA3OD18	3		2						6	2.5	E3	42	28	70
19	Programming Languages II	2SA3OF19	3		3						5	2.5	E3	42	42	84
20	Mechanical Elements	2SA3OD20	2	1							4	1	E3	28	14	42
21	Mechatronics	2SA3OD21	2	1							3	1	C3	28	14	42
22	Electrical and Electronic Measurements	2SA3OD22	3		2						5	2	E3	42	28	70
23	Optional Course OP 21	2SA3AX23		2							2	1	C3	0	28	28
24	Digital Electronics	2SA4OD24					3		2		5	2	E4	42	28	70
25	Software Engineering	2SA4OD25					2		3		6	2.5	E4	28	42	70
26	System Identification	2SA4OD26					2		2		4	2	E4	28	28	56
27	Computer Architecture	2SA4OD27					2		2		4	2	E4	28	28	56
28	System Theory	2SA4OD28					4		2		6	2.5	E4	56	28	84
29	Optional Course OP 22	2SA4AS29					2		2		4	1	C4	28	28	56
30	Practice II	2SA4OS30									2		C4		120	120
<b>TOTAL SECOND YEAR</b>			<b>15</b>	<b>6</b>	<b>7</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>60</b>	<b>12 12</b>		<b>420</b>	<b>484</b>	<b>904</b>

No.	THIRD YEAR		Semester 5				Semester 6				Credit points.	Prep. hours	Ei, Ci	No. of hours		
	Courses	Courses cod	C	S	L	P	C	S	L	P				Class	Apl.	Total
31	System Theory II	2SA5OD31	4		2						6	3	E5	56	28	84
32	Microprocessor Systems	2SA5OD32	3		2						6	2.5	E5	42	28	70
33	Static Converters	2SA5OS33	2		2						4	1.5	E5	28	28	56
34	Modeling and Simulation	2SA5OD34	3		2						5	2	E5	42	28	70
35	Senzori și traductoare Sensors and Transducers	2SA5OD35	3		2						5	2	E5	42	28	70
36	Optional Course OP 31	2SA5AX36	2	1							5	1	C5	28	14	42
37	Microcontrollers and PLC	2SA6OD37					3		3	1	6	3	E6	42	56	98
38	Automated Systems Engineering	2SA6OD38					3		2	1	6	3	E6	42	42	84
39	Robotics	2SA6OS39					2		1		4	1	E6	28	14	42
40	Reliability and Diagnosis	2SA6OS40					2		1		3	1	C6	28	14	42
41	Optimization Techniques	2SA6OD41					3		2		4	2	E6	42	28	70
42	Optional Course OP 32	2SA6AS42					2		2		4	2	E6	28	28	56
43	Practice III	2SA6OS43									2		C6		120	120
<b>TOTAL THIRD YEAR</b>			<b>17</b>	<b>1</b>	<b>10</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>11</b>	<b>2</b>	<b>60</b>	<b>12 12</b>		<b>448</b>	<b>456</b>	<b>904</b>

No.	FOURTH YEAR		Courses cod	Semester 7				Semester 8				Credit. points.	Prep. hours	Ei, Ci	No. of heures		
	Courses			C	S	L	P	C	S	L	P				Class	Apl.	Total
44	Fuzzy Logic Systems		2SA7OS44	2		2						4	2	E7	28	28	56
45	Robot Control Systems		2SA7OS45	3		2	1					6	3	E7	42	42	84
46	I/O Systems		2SA7OS46	2		2						4	1	E7	28	28	56
47	Optional Course OP 41		2SA7AS47	2		2						4	2	E7	28	28	56
48	Optional Course OP 42		2SA7AS48	3		2	1					6	3	E7	42	42	84
49	Optional Course OP 43		2SA7AS49	2		2						3	1	C7	28	28	56
50	Aided Design in Robotics		2SA8OS50					2		2		4	1	E8	28	28	56
51	VLSI Design		2SA8OS51					2		1	1	5	2	E8	28	28	56
52	Optional Course OP 44		2SA8AS52					2		2		4	1	C8	28	28	56
53	Optional Course OP 45		2SA8AS53					2		2		3	1	E8	28	28	56
54	Optional Course OP 46		2SA8AX54					2	1			3	1	E8	28	14	42
55	Optional Course OP 47		2SA8AS55					2		2		4	1	E8	28	28	56
56	Elaboration of graduation paper		2SA8OS56							5		10	5		0	70	70
<b>TOTAL FOURTH YEAR</b>				<b>14</b>	<b>0</b>	<b>12</b>	<b>2</b>	<b>12</b>	<b>1</b>	<b>9</b>	<b>6</b>	<b>60</b>	<b>12 12</b>		<b>364</b>	<b>420</b>	<b>784</b>

OPTIONAL COURSES				
No.	Optional course	Study year	Courses Name	
7	OP 11	I	Cultur ans Civilization History	Logics
8	OP 12	I	English I	French I
15	OP 13	I	English II	French III
24	OP 21	II	English III	French III
30	OP 22	II	Object Oriented Programming	Image Proccessing
37	OP 31	III	Economy	Economical Analisys
43	OP 32	III	Artificial Inteligence	Expert Systems
47	OP 41	IV	Process Control Systems	Equipments for fluid proccess automation
48	OP 42	IV	Data Acquisition and Processing Syste	Virtual Instrumentation
50	OP 43	IV	Computer Networks	CAD/CAM System
53	OP 44	IV	Special electrical actuating	Electronic Equipment for Automated Systems
54	OP 45	IV	Real time operating Systems	Real time software design
55	OP 46	IV	Management	Marketing
56	OP 47	IV	Industrial Automations	Automations for Energetics

**RECTOR,**  
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