

Faculty: Mechanical and Electrical Engineering

Field: Computers and Information Technology

Study program: **Computers Engineering**

Engineers - IF, 4 years x 2 sem./year x 14 weeks./sem. x 28 hours/week., 4 weeks. main exam's sessions/sem.

STUDY PLAN

valid beginning with academic year 2009 - 2010

No.	FIRST YEAR Courses	Courses cod	Semester 1				Semester 2				Credit points	Prep. hours	Ei, Ci	No. of Hours		
			C	S	L	P	C	S	L	P				Class	Apl.	Total
1	Linear Algebra	2CC1OF01	2	2						4	2	E1	28	28	56	
2	Mathematical Analysis	2CC1OF02	2	2						4	2	E1	28	28	56	
3	Computer Programming	2CC1OF03	2		2					5	2.5	E1	28	28	56	
4	Databases	2CC1OD04	2		1					4	1.5	E1	28	14	42	
5	Electrotechnics	2CC1OD05	3		2					5	1	E1	42	28	70	
6	Chemistry	2CC1OF06	2		2					3	1	C1	28	28	56	
7	Optional Course OP 11	2CC1AX07	1	1						2	1	C1	14	14	28	
8	Optional Course OP 12	2CC1AX08		2						2	1	C1	0	28	28	
9	Special Mathematics	2CC2OF09					2	2		4	2	E2	28	28	56	
10	Algorithm design	2CC2OD10					3		2	6	2	E2	42	28	70	
11	Computer Assisted Graphics	2CC2OF11					2		2	4	2.5	E2	28	28	56	
12	Programming Languages I	2CC2OF12					2		2	5	1.5	E2	28	28	56	
13	Electronic devices and analog electronic	2CC2OD13					3		2	6	2	E2	42	28	70	
14	Physics	2CC2OF14					2		2	4	1	C2	28	28	56	
15	Optional Course OP 13	2CC2AX15						2		2	1	C2	0	28	28	
TOTAL FIRST YEAR			14	7	7	0	14	4	10	0	60	12 12		392	392	784
16	Physical Education *	2CC2OX17		2				2		2		A/R	0	56	56	

No.	SECOND YEAR Courses	Courses cod	Semester 3				Semester 4				Credit points	Prep. hours	Ei, Ci	No. of hours		
			C	S	L	P	C	S	L	P				Class	Apl.	Total
17	Numerical Calculus	2CC3OF17	2	2						4	2	E3	28	28	56	
18	Logic design	2CC3OD18	3		2					5	2.5	E3	42	28	70	
19	Programming Languages II	2CC3OF19	3		3					6	2.5	E3	42	42	84	
20	Parallel and distributed algorithms	2CC3OD20	3	1	2					5	2	E3	42	42	84	
22	Electrical and Electronic Measurements	2CC3OS22	3		2					5	2	E3	42	28	70	
23	Optional Course OP 21	2CC3AX23		2						2	1	C3	0	28	28	
24	Digital Electronics	2CC4OD24					3		2	6	2	E4	42	28	70	
25	Software Engineering	2CC4OD25					2		2	1	6	2.5	E4	28	42	70
26	Object Oriented Programming	2CC4OD26					2		2	5	2	E4	28	28	56	
27	Computer Architecture	2CC4OD27					2		2	4	2	E4	28	28	56	
28	System Theory	2CC4OD28					4		2	6	2.5	E4	56	28	84	
29	Image processing	2CC4OD29					2		2	4	1	C3	28	28	56	
30	Practice II	2CC2OS30								2		C4		120	120	
TOTAL SECOND YEAR			14	5	9	0	15	0	12	1	60	12 12		406	498	904

No.	THIRD YEAR Courses	Courses cod	Semester 5				Semester 6				Credit points	Prep. hours	Ei, Ci	No. of hours		
			C	S	L	P	C	S	L	P				Class	Apl.	Total
31	Object Oriented Programming II	2CC5OD31	2		2					5	2.5	E5	28	28	56	
32	Microprocessor Systems	2CC5OD32	3		2	1				6	2	E5	42	42	84	
33	System Theory II	2CC5OS33	4		2					6	3	E5	56	28	84	
34	Robots Control Systems	2CC6OS34	3		2					5	2	E6	42	28	70	
35	Modeling and Simulation	2CC5OS35	3		2					6	2	E5	42	28	70	
36	Optional Course OP 31	2CC5AX36	2	1						3	1	C5	28	14	42	
37	Microcontrollers and PLC	2CC6OS37					3		2	1	6	3	E6	42	42	84
38	Numeric computers	2CC5OD38					3		2	6	2	E6	42	28	70	
39	Translators and formal languages	2CC5OD39					2		2	4	1.5	E5	28	28	56	
40	Reliability and Diagnosis	2CC6OS40					2		1	3	1	C6	28	14	42	
41	Artificial Intelligence	2CC6OD41					3		2	5	2	E6	42	28	70	
42	Optional Course OP 31	2CC6AS42					2		2	3	2	E6	28	28	56	
43	Practice III	2CC6OS42								2		C6		120	120	
TOTAL THIRD YEAR			17	1	10	1	15	0	11	1	60	12 12		448	456	904

No.	FOURTH YEAR		Semester 7				Semester 8				Credit points	Prep. hours	Ei. Ci	No. of hours		
	Courses	Courses cod	C	S	L	P	C	S	L	P				Class	Apl.	Total
44	Data transmissions	2CC7OS44	2		2						4	1.5	E7	28	28	56
45	Distributed systems	2CC7OS45	2		2						3	1.5	E7	28	28	56
46	Multimedia Systems	2CC7OS46	3		2						4	2.5	E7	42	28	70
47	Optional Course OP 41	2CC7AD47	3		2	1					6	3	E7	42	42	84
48	Optional Course OP 42	2CC7AD48	3		2						5	2	E7	42	28	70
49	Optional Course OP 43	2CC7AS49	2		2						4	1.5	C7	28	28	56
50	Network System Design	2CC8OS50					2		2		4	1.5	E8	28	28	56
51	VLSI Design	2CC8OS51					2		1	1	5	2.5	E8	28	28	56
52	Optional Course OP 44	2CC8AS52					2		2		4	1.5	C8	28	28	56
53	Optional Course OP 45	2CC8AX53					2	1			3	1.5	E8	28	14	42
54	Optional Course OP 46	2CC8AD54					2		2		4	2	E8	28	28	56
55	Informatics systems	2CC8OS55					2		2		4	3	E8	28	28	56
56	Elaboration of graduation paper	2CC8OS56								5	10			0	70	70
TOTAL FOURTH YEAR			15	0	12	1	12	1	9	6	60	12	12	378	406	784

OPTIONAL COURSES				
No.	Course code	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
23	OP 21	II	English III	French III
36	OP 31	III	Economy	Economical Analisys
42	OP 32	III	CAD/CAM System	Expert Systems
47	OP 41	IV	Data Acquisition and Processing Systems	Virtual Instrumentation
48	OP 42	IV	Computer Networks	Communications protocols
49	OP 43	IV	Users interfaces	I/O Systems
52	OP 44	IV	Pararell archititures	Multiprocessor Systems
53	OP 45	IV	Management	Marketing
54	OP 46	IV	Operating Systems	Logic Programming

RECTOR,
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