

Fundamental field: ENGINEERING SCIENCES

Field of bachelor studies: SYSTEMS ENGINEERING

Master studies program: INFORMATION SYSTEMS AND TECHNOLOGIES

MASTER STUDIES - day courses, 2 years x 2 sem./year x 14 weeks./sem. x 26 hours/week., 4 weeks session/sem.

CURRICULUM

VALID BEGINNING WITH ACADEMIC YEAR 2010 - 2011

Nr. crt.	YEAR I	Subject code	Subj. type	Semester 1				Semester 2				Credit pts.	Ei, Ci	Nr. hours/subject		
	Subject			C	S	L	P	C	S	L	P			Course	Appl.	Total
1	Advanced data bases	2STI1D01	D	2		2						5	E1	28	28	56
2	Development and management of information systems I	2STI1D02	D	3		3						7	E1	42	42	84
3	Evolved process control algorithms	2STI1D03	D	3		2						6	E1	42	28	70
4	Optional subject OP 11	2STI1D04	D	3		2						6	E1	42	28	70
5	Research I	2STI1S05	S				6					6	V1	0	84	84
6	Development and management of information systems II	2STI2D06	D					3		3		7	E2	42	42	84
7	Design of multimedia applications	2STI2S07	S					2		2		5	E2	28	28	56
8	Virtual instrumentation technologies	2STI2S08	S					3		2		6	E2	42	28	70
9	Optional subject OP 12	2STI2S09	S					3		2		6	E2	42	28	70
10	Research II	2STI2S10	S							6		6	V2	0	84	84
TOTAL year I				11	0	9	6	11	0	9	6	60		308	420	728
				26				26								

Nr. crt.	YEAR II	Subject code	Subj. type	Semester 3				Semester 4				Credit pts.	Ei, Ci	Nr. hours/subject		
	Subject			C	S	L	P	C	S	L	P			Course	Appl.	Total
11	Integration of neuro-fuzzy techniques in information systems	2STI2S11	S	3		2						6	E3	42	28	70
12	Development of embedded systems with VLSI technologies	2STI2S12	S	3		3						7	E3	42	42	84
13	Software quality testing and insurance	2STI2S13	S	3		2						6	E3	42	28	70
14	Optional subject OP 21	2STI2S14	S	2		2						5	E3	28	28	56
15	Research III	2STI2S15	S				6					6	V3	0	84	84
16	Research/documentation/practical training for research project	2STI2S16	S							6		10	V41	0	84	84
17	Research/documentation/practical training for dissertation	2STI2S17	S							20		20	V42	0	280	280
TOTAL year II				11	0	9	6	0	0	0	26	60		154	574	728
				26				26								

RECTOR,
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UNIVERSITY OF PETROȘANI

Faculty of MECHANICAL AND ELECTRICAL ENGINEERING

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MINISTRY OF EDUCATION, RESEARCH, YOUTH AND SPORTS

D.G.I.S.

CURRICULUM

VALID BEGINNING WITH ACADEMIC YEAR 2010 - 2011

OPTIONAL SUBJECTS				
Nr. crt.	Subject code	Academic year	Name of subjects	
5	OP 11	I	Development of informational applications using	Adaptive and optimal control systems
9	OP 12	I	Evolved systems for robots control	Development of WEB applications
14	OP 21	II	Development of applications with mobile technologies	Development of applications using Java platforms

ELECTIVE SUBJECTS															
Nr. crt.	Subject code	Academic year	Name of subject	Sem. I			Sem. II			Pct crd.	Training hours	Ei Ci	Nr. hours/subject		
				C	S	L	C	S	L				Course	Appl.	Total
18	F21	II	Communication techniques I	1		1				3	0	A/R	14	14	28
19	F22	II	Communication techniques II				1		1	3	1	A/R	14	14	28

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