

TURIN POLYTECHNIC UNIVERSITY IN TASHKENT

CLIBBIC III MIAMI

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Software Engineering

Software Engineering

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Curriculum period - 4 years

Type of curriculum - fulltime

CLUBBING TIMETABLE

Lecture and practice

II. CURRICULUM PLAN

№	Subject ID	Subjects	Second level													
			Total workload per student						Activity						Semester	
			Value of all assignment		Total	Lecture	Practice	Laboratory	Seminars	Tutoring	Self study	Credits per semester	Credits	ECTS Credits		
Hour	%	3	4	5	6	7	8	9	10	11	12	13	14	USA Credits		
Main subjects																
1	FLDAT-6	Data Structures and Algorithms	180	10.0%	90	40	50			90	6	6	6	3		
2	FLOBJ-10	Object Oriented Programming	300	16.7%	150	66	84			150	10	10	10	5		
3	FLDAT-6	Database	180	10.0%	90	62	18	10		90	6	6	6	3		
4	FLINT-6	Introduction to software engineering	180	10.0%	90	32	38	20		90	6	6	6	3		
5	FLALG-6	Algorithm design	180	10.0%	90	18	36	36		90	6	6	6	3		
6	FLINT-8	Introduction to Web programming	240	13.3%	120	50	70	20		120	8	8	8	4		
7	FLFUN-6	Fundamentals of Computer Architecture	180	10.0%	90	32	38	20		90	6	6	6	3		
8	FLBAS-6	Basics of cybersecurity	180	10.0%	90	32	38	20		90	6	6	6	3		
9	FLOPT-6	Optional subjects (6 credits)	180	10.0%	90	45	45	20		90	6	6	6	3		
		Total (main subjects 2nd level)	1800	100.0%	900	377	213	310	0	0	900	30	30	30		
Optional subjects																
1	FLINT-6	Introduction to AI	180	10.0%	90	34	34	22		90	6	6	6	3		
2	FLINT-6	Introduction to Game Design	180	10.0%	90	40	50			90	6	6	6	3		
3	FLINT-6	Introduction to IoT	168	9.3%	84	56	28			84	6	6	6	3		
4	FLSTA-6	Statistics and probability	180	10.0%	90	46	44			90	6	6	6	3		
		Total 2nd level subjects	1800	100.0%	900	377	213	310	0	0	900	30	30	30		
Third level																
№	Subject ID	Subjects	Total workload per student													
			Value of all assignment		Total	Lecture	Practice	Laboratory	Seminars	Tutoring	Self study	Credits per semester	Credits	ECTS Credits		
			Hour	%	3	4	5	6	7	8	9	10	11	USA Credits		
1	SLCOM-8	Computer networks	240	13.3%	120	60	60	60		120	8	8	8	4		
2	SLDES-6	Design of software systems	180	10.0%	90	30	28	32		90	6	6	6	3		
3	SLSOF-6	Software quality assurance	180	10.0%	90	32	38	20		90	6	6	6	3		
4	SLOPE-6	Operating Systems	180	10.0%	90	60	30	30		90	6	6	6	3		
5	SLHUM-8	Human-computer interaction	240	13.3%	120	44	56	20		120	8	8	8	4		
6	SLMOB-8	Mobile application development	240	13.3%	120	50	70			120	8	8	8	4		
7	SLSOF-6	Software Architecture	180	10.0%	90	45	30	15		90	6	6	6	3		
8	SLOPT-12	Optional subjects (12 credits)	360	20.0%	180	90	90			180	12	12	12	6		
		Total (main subjects 3rd level)	1800	100.0%	900	411	332	157	0	0	900	30	30	30		
Optional subjects																
1	SLINT-6	Introduction to Big Data	180	10.0%	90	45	45			90	6	6	6	3		
2	SLDEE-6	Deep learning	180	10.0%	90	45	45			90	6	6	6	3		
		Total 3rd level subjects	1800	100.0%	900	411	332	157	0	0	900	30	30	30		

№	Subject ID	Subjects	Total workload per student								Semester		ECTS Credits	USA Credits		
			Activity				1		2		Semester 7	Semester 8				
			Total	Hour	%	Value of all assignment	Lecture	Practice	Laboratory	Seminars	Self study	Credits per semester				
1	1	TLSoF-6	Software Project Management	3	4	10.0%	180	5	6	7	8	11	12	14		
2	2	TLSoF-6	Software for Sustainable Development	180	10.0%	90	60	30	38	20	90	90	6	3		
3	3	TLDIG-6	Digitalization (Digital Business Platforms)	180	10.0%	90	32	38	20	90	90	6	6	3		
4	4	TLMAC-6	Machine Learning	225	10.0%	90	45	45	45	90	90	6	6	3		
5	5	TLDAT-6	Data Mining	225	10.0%	90	45	45	45	90	90	6	6	3		
6	6	Optional subjects (12 credits)		360	20.0%	180	90	90	90	180	12	12	12	6		
7	7	Final Project/Internship		540	30.0%	270	0	0	0	270	18	18	18	6		
Total (main subjects 4th level)			1800	100%	900	304	286	40	0	0	900	30	30	30		
Optional subjects																
1	1	TLMOB-6	Mobile Apps (Native and Web)	180	10.0%	90	45	45	45	90	90	6	6	3		
2	2	TLGAM-6	Game development	180	10.0%	90	45	45	45	90	90	6	6	3		
3	3	TLFUN-6	Fundamentals of Technological Change	180	2.5%	90	45	45	45	90	90	6	6	3		
4	4	TLENT-6	Enterprise Data Management	180	10.0%	90	45	45	45	90	90	6	6	3		
Total 4th level subjects			1800	100%	900	304	286	40	0	0	900	30	30	30		
Total			7200	100%	3600	1451	1306	548	0	25	3600	120	120	120		