Select courses from one module only to avo	id lessons from ove	erlanning. Some of the courses	may be arranged	∣ I as intensive	weeks, the dat	res will be undated later.
select tourses from one mounte only to use			lina, be arranged		liteens, the da	
MODULE 1: 3D games, Development & Design (G	ame Graphics)	1				
Course	Code	Teacher	Group	ECTS	Suitable for	Prerequisite
2D Animation	KTVP030-3005	Tommi Helin	TTK18SP	3		
2D Background Design	KTVP031-3005	Tommi Helin	TTK18SP	3		
2D Character Design	KTVP032-3005	Tommi Helin	TTK18SP	3		
3D Modelling and Texturing I	KTVP033-3005	Tommi Helin	TTK18SP	3		
Vector Graphics	KTVP034-3005	Tommi Helin	TTK18SP	3		
Technical English I	TT00BJ75-3006	Marjaana Seppi	TTK18P	3	all students	
WWW and Internet	KTAD031-3005	Deepak KC	TTK18SP	2	all students	
Introduction to 3D modelling	KTAD034-3005	Tommi Helin	TTK18SP	3	all students	
Project Studies 2 - 2D game for Mobile Device	KTAD042-3005	Tommi Helin, Antti Seppänen	TTK18SP	6	all students	
Basics of Game Business	KTVP015-3005	ТВА	TTK18SP	3	all students	
Continuation Course in Game Business	KTVP020-3006	ТВА	TTK18SP	3	all students	
Finnish for Exchange Students	KBVY001	ТВА	exchange	3		
			online /			
Cloud Services	TT00BD40	Deepak KC	independent	5	all students	
MODULE 2: Game Production and Design						
Course	Code	Teacher	Group	ECTS	Suitable for	Prerequisite
Game Production 1	TT00BF60-3002	Antti Seppänen	TTK18SP	3		rerequisite
Game Production II	TT00BF61-3002	Antti Seppänen	TTK18SP	3		
Physics 1	KTVP051-3005	Janne Koponen	TTK18SP	3		
Game Analytics and Monetization	TT00BI59-3002	Antti Seppänen	TTK18SP	3		
Finnish for Exchange Students	KBVY001-3003	ТВА	exchange	3		
Technical English I	TT00BJ75-3006	Marjaana Seppi	TTK18P	3	all students	
WWW and Internet	KTAD031-3005	Deepak KC	TTK18SP	2	all students	
Introduction to 3D modelling	KTAD034-3005	Tommi Helin	TTK18SP	3	all students	
Project Studies 2 - 2D game for Mobile Device	KTAD042-3005	Tommi Helin, Antti Seppänen	TTK18SP	6	all students	
Basics of Game Business	KTVP015-3005	ТВА	TTK18SP	3	all students	
Continuation Course in Game Business	KTVP020-3006	ТВА	TTK18SP	3	all students	
			online /			
Cloud Services	TT00BD40	Deepak KC	independent	5	all students	
			-			
MODULE 3: Game Programming						
Course	Code	Teacher	Group	ECTS	Suitable for	Prerequisite

						Some background on programming is needed.
						The courses are integrated, so contact the
						teacher if you wish to attend only to the other
Programming C++	KTVP050-3005	Leena Heikkinen	TTK18SP	3		one
Continuation Course in Programming C++	KTVP052-3005	Leena Heikkinen	TTK18SP	3		Some background on programming is needed
Mathematics for Game Programmers	KTVP053-3005	Ari Teirilä, Janne Koponen	TTK18SP	3		
Data Structures and Algorithms	KTVP054-3005	Janne Remes	TTK18SP	3		
Technical English I	TT00BJ75-3006	Marjaana Seppi	TTK18P	3	all students	
WWW and Internet	KTAD031-3005	Deepak KC	TTK18SP	2	all students	
Introduction to 3D modelling	KTAD034-3005	Tommi Helin	TTK18SP	3	all students	
Project Studies 2 - 2D game for Mobile Device	KTAD042-3005	Tommi Helin, Antti Seppänen	TTK18SP	6	all students	
Basics of Game Business	KTVP015-3005	TBA	TTK18SP	3	all students	
Continuation Course in Game Business	KTVP020-3006	TBA	TTK18SP	3	all students	
Finnish for Exchange Students	KBVY001-3003	ТВА	exchange	3	all students	
-			online /			
Cloud Services	TT00BD40	Deepak KC	independent	5	all students	
MODULE 4: Data Center						
MODULE 4: Data Center Course	Code	Teacher	Group	ECTS	Suitable for	Prerequisite
	Code	Teacher	Group	ECTS	Suitable for	Prerequisite DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task
	Code	Teacher	Group TTK18SD	ECTS 5	Suitable for	DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter
Course	Code	Teacher			Suitable for	DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task
DC Project I DC Project II Scripting		Teacher Joona Tolonen	TTK18SD	5	Suitable for	DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task related to datacenters, open data, big data or
DC Project I DC Project II	Code TT00BJ75-3005		TTK18SD TTK18SD	5 5	Suitable for	DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task related to datacenters, open data, big data or
DC Project I DC Project II Scripting		Joona Tolonen	TTK18SD TTK18SD TTK18SD	5 5 5		DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task related to datacenters, open data, big data or
DC Project I DC Project II Scripting Technical English I	TT00BJ75-3005	Joona Tolonen Marjaana Seppi	TTK18SD TTK18SD TTK18SD TTK18SD	5 5 5 3	all	DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task related to datacenters, open data, big data or
DC Project I DC Project II Scripting Technical English I	TT00BJ75-3005	Joona Tolonen Marjaana Seppi	TTK18SD TTK18SD TTK18SD TTK18SD TTK18SD	5 5 5 3	all	DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task related to datacenters, open data, big data or
DC Project I DC Project II Scripting Technical English I Databases & Database Maintenance	TT00BJ75-3005 TT00BF49-3001	Joona Tolonen Marjaana Seppi Deepak KC	TTK18SD TTK18SD TTK18SD TTK18SD TTK18SD Online /	5 5 5 3 5	all all students	DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task related to datacenters, open data, big data or
DC Project I DC Project II Scripting Technical English I Databases & Database Maintenance Cloud Services	TT00BJ75-3005 TT00BF49-3001 TT00BD40	Joona Tolonen Marjaana Seppi Deepak KC	TTK18SD TTK18SD TTK18SD TTK18SD TTK18SD Online / independent	5 5 5 3 5	all all students	DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task related to datacenters, open data, big data or
DC Project I DC Project II Scripting Technical English I Databases & Database Maintenance Cloud Services WWW and Internet	TT00BJ75-3005 TT00BF49-3001 TT00BD40 KTAD031-3005	Joona Tolonen Marjaana Seppi Deepak KC Deepak KC Deepak KC	TTK18SD TTK18SD TTK18SD TTK18SD TTK18SD online / independent TTK18SP	5 5 5 3 5	all all students all students all students	DC prject I & II: They are datacenter specific projects and are carried out in the datacenter lab. The task can vary from Datacenter administration, management or any other task related to datacenters, open data, big data or