

Elective Course Description Winter Term 2022/2023

Title	GameDev Tips & Tricks - (C#,C++)				
Cluster Title PO 07 To be filed by focus managers s.u.					
Cluster Title PO 2012 To be filed by focus managers s.u.					
Cluster Title PO 2014 To be filed by focus managers s.u.	Game Development				
Date of first course event / first organizational meeting with students****/ Room	24.10.22 18:00		F17/103		NN
kind of room if not indicated above	online		Seminarraum		Labor
Belegung über OBS 05.10. - 10.10.2022 14:00					

Course Data	credit points	5 credit points			
	workload/semester	125-150 h			
	presence/week on average**	4 SWS			
	Group size according to cnw				
	Min. size	8 students			
		weekday of course			
		MON/WED			
	frequency of course-events	weekly	bi-weekly	blocked	
	prospective timeframe**** (Block = 90 min)	Block 1 8:30	Block 2 10:15	Block 3 12:00	
		Block 4 14:15	Block 5 16:00	Block 6 17:45	x
	course language	English	x	German	
	suitable for students of course/focus	DM		AG	x
		IMD		MP	
		SMP		ER	x
		OJ/WJ/OK		KMI	x
Content(s): (check one or more)	Design	Informatics / Technology	x	Economy / Business	Culture
Time frame in case of blocked event	11 Sessions: 24.9., 26.9., 31.10., 2.11. 7.11., 9.11., 14.11., 16.11., 21.11., 23.11., 28.11., 22. 5.12.22 18:00 – 21:00				

Course Portrait

Lecturer(s) Name(s)	Thomas Valentin Klink				
Lecturer(s) email	thomask@crytek.com				
Contact Prof. @ fbmd	Tilmann.kohlhaase@h-da.de				
Teaching Method	lecture	lecture + seminar	x	seminar	project
Course Contents	GameDev Tips & Tricks Over the last years I have given electives on game engine development and the internal workings of frequently used, but not often understood concepts like networking, multithreading or serialization. During these electives a lot of topics came up that I deemed interesting to talk				

Suitability	beginner course intermediate course advanced course
Preconditions	Prerequisites: General interest in programming, general understanding of C# is mandatory, understanding of C++ in addition is a bonus
Info about lecturer (especially if guest)	Valentin Klink is Senior Gameplay Programmer at Crytek
Other information	

* According to our examination law, the course titles have to be matched to a given catalogue with common course titles. This title will appear in the Transcript of Record and the Bachelor Certificate. Field has to be filed by Focus Managers, all clusters can be found below

** The official presence-time is 3 SWS for the whole semester. As the elective period is condensed to 12 weeks instead of 16 weeks, the presence time for the electives is 4 SWS.

*** Courses and focal points: er = Expanded Realities , oj = Online Journalismus; wj = Wissenschaftsjournalismus, blank field = please insert appropriate course. *(check as many as apply)*

**** Block 1 = 8.30 - 10.00 Uhr, Block 2 = 10.15 - 11:45 Uhr, Block 3 = 12.00 - 13.30 Uhr, Block 4 = 14.15 - 15.45 Uhr, Block 5 = 16.00 - 17.30 Uhr, Block 6 = 17.45 - 19.15 Uhr

***** In case that the course does not start in the first week 15.10.2018 there has to be a first organisational meeting to finalize the application process

Elective Start: 17.10.2022

Christmas 24.12.-8.1.23 (due to the short semester there might be some flexibel lecturing during this period.,)

Electives End 10.2.2023 (Examinations could be scheduled after this date if necessary)

Please upload in Moodle Course!