S	Course title: More-than-human placemaking for urban human-nature interactions Course coordinator(s) / lecturer(s): Kitti Butter, Maria Karyda, Sebastian Gschanes, Ádám Szabó Contact details: butter.kitti@mome.hu							
1. General Informations								
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E								
ē	Level and Code:		Recommended	Credits:	3			
	M-KF-301-IK-	Curriculum:	semester: 1	5	Student workload: 102			
g	242501-04							
Je	Related codes:	Type: lecture/	Is it open to sign-		pre-conditions to sign-up a			
ē	M-KF-E-101-IK-	seminar/practice	up as an elective?	an electi	ive:			
	242501-04	/combined						
	Interlinkages / prerequisites, parallel units:							
	Aims and principles of the course: (in accordance with the subject description)							
2. Targeting	including its unda application, and holds for non-hu welcoming to spe for human health responses to the human-nature in gain insights into environments. D elements, includ students will gain context- and loca biodiversity surv undertake project implementation integrate physica expressions of gl participants will resilience and fo counterparts. Th for the design co Intended learnin with the subject Knowledge: S will be able to di They will underst built environmer regeneration. Th with and for natu (interaction) des mediated technol	erlying motivations criticism. Students man urban inhabite ecies beyond human n and well-being. The complex challenge of the narratives sha uring the course, lead ing group work and n a detailed unders ation-based design eys, and monitoring ct-based learning ex- of habitats tailored al and digital eleme obal sustainability explore the potent stering deeper con- e course concludes incepts. Ing outcomes / prof description) Students will becom fferentiate betwee tand the contradict nt, and be capable of ey will learn about ure is indispensable ign can facilitate to plogies.	s, theory, evolution, w will learn about the p ants, how urban (put ins, and how, in turn, he focus will be on de es of urban biodiversi nally, leveraging stor ping our understand ectures will be combi- I tasks, simulation ga tanding of the tools a (e.g., sustainability in g). Working collabora- xperiences centered I to the needs of non nts, serving as both p principles. Through h ial of placemaking as nections between cit is with the presentation essional and transiti the acquainted with su- n them in terms of ex- ions of 'sustainable co- of moving them (in the biophilic design and e when designing urb position human-nat	various cu potential polic) space , these en eveloping ity, with a rytelling te ing of nor ned with mes, and and mech ndicators, around th -human s practical in nands-on e a catalyst cizens and on of prot ve compe ustainable xpected re design', se neory) tov patterns, an enviro ure intera	vironments are providing appropriate design focus on fostering positive echniques, students will h-human life within urban various interactive fieldwork. Additionally, anisms of systemic, ecosystem services, groups, students will he design and pecies. These projects will nterventions and symbolic experimentation, t for cultivating ecological their non-human otypes or models created etencies: (in accordance et design frameworks and esults and consequences. et the shortcomings of our vards sustainability and how and why designing nments, and how actions in the context of			

Research – Development – Innovation Syllabus

	Attitudes/attributes: The learning content and exercises throughout the course serve to					
	familiarize students with experiential sustainability (thought) experiments and facilitate designing along with context-appropriate sustainability goals.					
	Autonomy and Responsibility: Students will work in groups, and the production of the final project work will be a shared responsibility (as well as the homework assignments leading to					
	the final project work).					
	Course content (topics and themes):					
	- Ecological crisis, Limits of Earth's (ecological) capacity					
	 Relationship between climate change and biodiversity crisis Nature-based solutions and ecosystem services / human-nature interactions / 					
	biophilic patterns					
	- Overview of design frameworks (sustainable, circular, ecological, and regenerative					
	design)					
	 More-than-human-centered design Placemaking and urban habitat design / undesign movement 					
	 Placemaking and urban habitat design / undesign movement Data storytelling, data physicalization 					
	- Narrative storytelling					
	RDI methods and tools used in the course:					
	 more-than-human-centered placemaking methodology and toolkit 					
	- non-human personas					
	- design research					
	- regenerative design					
	 urban spacemarkers Specificity of the learning process: emphasis on concept sketching and rapid prototying 					
2	Specificity of the learning process. Emphasis on concept sketching and rapid prototying					
3. ltinerary	Teaching method and Scedule:					
ine	Weekly lectures with the course instructors and invited experts, followed by guided					
÷.	workshops for concept development, rapid prototyping and finalization of the project work					
ŝ	and presentation. Students will work in groups.					
	Course structure based on the weekly sessions:					
	 Introduction and theoretical foundation (1) Context exploration (expert lectures) (3) 					
	 Design workshops: more-than-human habitat concept design with interactive 					
	spacemarkers (4)					
	 Prototyping and modeling, finalization of project work (4) 					
	Tasks and assignments (with student notional workload):					
	- Mandatory reading/viewing of a chosen literary/film work related to the relationship					
	between humans and nature					
	 Research on a chosen animal/plant species' lifecycle and exploration of the 					
	possibilities provided by the built environment: demonstrating complex thinking and					
	a critical approach to the gathered data and processes					
	 Design of a creative habitat concept, including sketches of the habitat and its supporting environment, as well as its spatial representation (spacemarker) 					
	 Evaluation and selection of design ideas through regular (short) presentations and 					
	consultations					
	 Prototyping using chosen materials and tools 					

 the campus. Assessment: Textual and visual presentation of the creative process leading to the design of an environment or product that aids the chosen animal/plant species' lifecycle For the final presentation, the more-than-human-centered habitat concept must be completed, presented live by the student or team. Additionally, it should be presented through a prototype created using chosen tools Minimum of 2 images and accompanying text to be shared on social media platform Assignments: main assignent: group project work breakdown of weekly steps: "more could be added read the Campus biodiversity report and do a quick research on the history of Zugliget and the site (MOME Campus) create your non-human persona profile for the chosen species, do backroun research, identify challenges draft design concept (iterations) 10 min. mid-course presentation about your design concept studio work and prototyping (iterations) final presentation (poster and prototype/model) Assessment based on the presentation and submitted materials. Personal attendance during classes and workshops (or absences) will also be taken into account. Assessment criteria: The extent to which the task solution aligns with the assignment: how deeply the designer or team explored the life cycle and capabilities of the given species in terms of design, and how they can apply them in the design process. The pragmatic, usable yet provocative and thought-provoking quality of the presented concept. The visual quality of presenting the concept. The visual quality of presenting the concept.<th></th><th></th>		
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nature, or a literary work. Recommendations:		Recommended readings:
- The Hidden Life of Trees (2020)		nature, or a literary work. Recommendations:

-	Planet Earth (2006) – BBC TV series			
-	David Attenborough: A Life on Our Planet (2020)			
-	March of the Penguins (2005)			
-	The Salt of the Earth (2014)			
-	My Octopus Teacher (2020)			
-	All That Breathes (2022)			
-	The Elephant Whisperers (2022)			
-	Whale Rider (2002)			
-	Kiss the Ground (2020)			
-	Dolphin Man (2017)			
OR				
Student	ts must select a literary work that deals with the relationship between humans and			
nature.				
Recomi	mendations:			
-	Bill Laws (2010) 50 Plants That Changed the Course of History			
-	Peter Wohlleben (2021) The Hidden Life of Trees			
-	Helen Bostock - Sophie Collins (2012) How Can I Help Hedgehogs?			
-	Douglas Adams - Mark Carwardine (2000) Last Chance to See			
-	Jonathan Franzen (2019) The End of the End of the Earth			
-	Elizabeth Kolbert (2016) The Sixth Extinction			
-	Lucy Cooke (2019) The Unexpected Truth About Animals			
-	Robin Wall Kimmerer (2015) Braiding Sweetgrass: Indigenous Wisdom, Scientific			
	Knowledge and the Teachings of Plants			
-	Robin Wall Kimmerer (2021) Gathering Moss: A Natural and Cultural History of			
	Mosses			
-	George Monbiot (2022) Regenesis: Feeding the World Without Devouring the Plan			
-	Joshua Trey Barnett (2022) Mourning in the Anthropocene			
Further	readings, documents, sources: N/A, all materials will be provided during the cours			
	nal information: The course is based on one of the ongoing research projects of			
	tion Center Data Storytelling Hub. Students have the opportunity to gain insight into			
	life and processes of research and, in case of deeper interest, to participate in resea			
	eyond the course.			
	le and venue for personal consultation:			
Thursda	ay afternoon, MOME UP 315			