Name

INVASIVE COMPO

Classroom ☐
Studio or workshop ☐
External venue ☐
Online ☐

Codes M-KH-201-DI-202401-02, M-KH-E-201-DI-202401-02

Host **Design Institute**

	Type	ECTS	Contact hours	Student work	Course type	Semester	Unit
Basic info	**practice**	-	**40**		**course week**	**2024/25 autumn**	

Recommen-dation

Raw material-centric material experimental and materials research course. For students of architecture, designar maker, design and textile design.

Short Description

The course basically deals with a new approach to the active shaping of sustainable object culture and the support of sensitive cooperation with nature, and examines possible aspects of design responsibility. The design process, which begins with the conscious selection of raw materials or basic materials, realizes two design strategies, the approach of industrial residues as raw materials and the development of new composite materials initiated by the exploration of natural renewable raw material sources.

The autumn course week course focuses on the problem of domestic invasive plants. Examining them as raw materials, we collect pigment material from them, and we start the development of new composite materials.

Teachers

Name	Contact information	Short bio	Open hours
Temesi Apol DLA	temesi.apolka@teach.mome.hu	soundwooldesign.com	péntek 12-14
Szakács Nikolett			
Tasnádi Gergely	tasnadi.gergely@mome.hu		
Rigo Attila			
Doctoral student of Valentina Rognoli			

Semester schedule

Course scheduling	Weekly class appointments
course week	

#	Date	Weekly educational content
1		[Course week] introductory presentations, presentation of previous works as examples, description of the methodology and procedure used during the week, allocation of aids, selection of plants.
2		workshop, consultation
3		workshop, consultation
4		workshop, consultation, documentation
5		presentations, exhibition, conclusion, closure

Requirements and evaluation

Assignments	Evaluation criteria	Deadline	% in evaluation
attendance	signing an attendance sheet		Failed more than 1 absence
preparation of material test series	creating series of at least 3 pieces on a daily basis	daily	50%
creating documentation	writing guided documentation on the details of the production of the selected pieces	October 18, 2024	30%
presentation	a visual supplement showing the thought process behind the experiments created during the week	October 18, 2024	20%

Compulsory readings

Recommended readings

- Antonelli, P., Tannir, A. (2018) Reparations by Design. Broken Nature. 2018.03.01. http://www.brokennature.org/reparations-by-design/
- Ayala-Garcia, C., Rognoli, V. (2017) The New Aesthetic of DIY-Materials. The Design Journal. 2017.09.06.
- Ayala-Garcia, C., Rognoli, V., Karana, E. (2017) Five Kingdoms of DIY-Materials for Design. Alive. Active. Adaptive. International Conference on Experiential Knowledge and Emerging Materials. Delft University of Technology. 2017. June 19-20.
- Carson, R. (1964) Silent Spring. Mariner Books, New York 2002
- Karana, E. (2009) Meanings of Materials. Ph.D. Thesis, Faculty of Industrial Design Engineering, Delft University of Technology. https://repository.tudelft.nl/islandora/object/uuid%3A092da92d-437c-47b7-a2f1-b49c93cf2b1e
- Karana, E., Barati, B., Rognoli, V., Laan, A. (2015) Material Driven Design (MDD): A method to design for material experiences. International Journal of Design, 9 (2). 2015.
- McDonough, W., Braungart, M. (2007) Bölcsőtől bölcsőig. HVG Kiadó, Budapest
- Porcelijn, B. (2017) Hidden Impact https://mymodernmet.com/babette-porcelijn-hidden-impact/
- Rawsthorn, A. (2018) Design as an attitude. Les presses du réel, JRP|Ringier Documents series.
- Rawsthorn, A. (2020) What is Design? An attitude. domusweb.it. 2020.12.02. https://www.domusweb.it/en/speciali/domusfordesign/2020/what-is-design-an-attitude.html

Learnings

Knowledge	During the course, students learn the raw material-centric approach of the responsible, reflective design approach in the area of sustainable negotiation. The student works with the selected domestic invasive plant for one week, performing exploratory research work on its physical and chemical properties through an internship. e.g.: examine it as a coloring material, composite material raw material. Using practical methods, he prepares series of material experiments, in which he examines on a wide scale the possibilities of innovative use and material association

	of the material using the agile methodology. The student prepares documentation about the material test series, for which he receives a form to fill out. In the presentation that closes the course week, you must be able to present your theoretical and practical work during the week in a presentation that is both visually and substantively coherent, revealing the connections and the complexity of the chosen topic.
Skills	In addition to the theoretical exploration of the background knowledge of the chosen plant, the student prepares tangible material experimental samples every day. He prepares the material experiments in series of at least 3 pieces, where the physical and/or chemical properties of the material and its manipulation become visible along a specific aspect. E.g.: tensile strength, flexibility, colourability, material association ratios. Documentation analyzing the series, drawing conclusions, and raising questions must be kept, which also presents in writing the student's increasingly complex thinking about cause-and-effect relationships. In the presentation at the end of the course week, you must present your work completed during the week in professional language, placing it in a larger context and seeing the connections.
Attitude	On the course, we expect the student to have an experimental, brave, self-effacing attitude, seeking professional challenges. During the course, we support him in his independent, complex thinking, and we help him explore the possibility of taking responsibility inherent in his profession.
Responsibility	The student independently informs himself about knowledge beyond his field of expertise, independently represents his own professional position and cooperates with representatives of other schools of thought.

Exemption

☒ Exemption from attending and completing the course cannot be granted
☐ Exemption may be granted from the acquisition of certain competencies and the fulfilment of tasks
☐ Some tasks can be substituted with other activities,
☐ A full exemption can be granted

Curriculum connections

Unit	Parallel courses	Course proportion in unit
Befoglaló tantárgy címe	[Ez a kurzus]	
	Másik kurzus címe	
	Harmadik kurzus címe	

Course prerequisites	Is it available as an elective?	Prerequisites in case of elective

Misc. information