

Course description

Soft interfaces				
Course instructor, contact: Esteban De La Torre (delatorre@mome.hu), KÁRPÁTI Judit (karpati.judit@mome.hu)				
Code: M-MD-202	Curriculum place:	Recommended semester:	Credit: 5	Teaching hours: 24
Related Codes: ER-MEDI-BA-252602-01	Típus: practice-oriented	Can I add as custom? No	In case of free choice, special prerequisites: -	
Prerequisites				
Aims and principles of the course: In the Soft Interfaces course, students will acquire theoretical and practical knowledge of the methods, techniques, tools and materials needed to design soft interfaces, combining artistic vision with the possibilities of technology. The use of contemporary digital technologies and new materials is particularly important for the effective design and understanding of soft interfaces. The course aims to create textile-based soft interfaces that are sensitive to interactions (touch, sound) based on collaborations between different disciplines.				

Learning outcomes (professional and general competences to be developed):

Knowledge:

- Has extensive, systematic and specialized knowledge of the broader artistic and cultural context related to the field of media design, its historical development, defining periods, trends, as well as its contemporary operation and main tendencies.
- Has specialized knowledge of the methodology of design and artistic research in the field of media design, of data and source collection, management, selection and evaluation methods.

Ability:

- Independently examines complex problem areas, conducts complex artistic and design research, critically handles data and sources, and systematically interprets broader contextual connections and processes.
- Mobilizes creativity in changing, new types of complex situations, and develops innovative solutions that go beyond the traditional framework.

Attitude:

- Actively seeks new professional knowledge, methods and techniques, monitors contemporary media design and artistic, social, economic, market, ecological and information technology processes and trends.
- In her professional activity, she approaches new types of challenges, problems and situations flexibly and adaptively.

Autonomy and responsibility:

- She is independently informed in professional issues of media design, has her own taste and professional opinion.
- She also acts autonomously and responsibly in interdisciplinary activities.

Topics and themes to be covered in the course:

- design and implementation of tangible textile-based interfaces - sound synthesis - active materials - physical computing - microcontrollers - soft circuitry - sound design - multisensoriality

Features of the learning process:

Course schedule, nature of each session, and their schedule:

Student tasks and duties:

Participation in the introductory lecture and practical classes and consultations.

Implementation of the course tasks in group work and individual work.

Preparation and presentation of a presentation at the end of the course.

Schedule:

2026. 02. 17. - Introduction, getting to know the studio

2026. 02. 19. - Work, consultation

2026. 02. 24. - Work, consultation

2026. 02. 26. - Work, consultation

2026. 03. 03. - Work, consultation, presentation

The learning environment:

– darkened room suitable for 15 people, projector (+ converters min. HDMI and VGA), speaker, depending on the room's features, projection screen, splitter, internet access, computer access

Assessment:

Requirements to be met:

- active participation in classes and consultations
- processing of required literature
- solving partial assignments, traceability and transparency of the work process
- meeting deadlines
- preparing assignments
- organizing course assignment solutions into a presentation
- presenting completed work

Method of assessment:

- practical demonstration, presentation

Assessment criteria (we take everything into account in the assessment):

- meeting deadlines
- transparent work process
- preparing practical assignments
- content, form and professional quality of completed works
- content, form and professional quality of presentation
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Calculating the grade:

Summary of the grades received for the introductory tasks of the course and the project task.

Meeting deadlines: maximum 10%

Transparent workflow: maximum 10%

Completing practical tasks: maximum 30%

Content, form and professional quality of the completed works: maximum 25%

Content, form and professional quality of the presentation: maximum 25%

91-100% = excellent (5)

81-90% = good (4)

66-80% = average (3)

51-65% = sufficient (2)

0-50% = insufficient (1)

The course is part of the Media Arts - Design 1. subject. The course's value within the subject: 20%

Required reading:

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Recommended reading:

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Other information:

Recognition of prior learning/validation principle:
no exemption from attending and completing the course

Extracurricular consultation times and locations: Tuesday 10:00 -12:00, by prior arrangement