

ACADEMIC YEAR 2026/27. 1ST SEMESTER

Name of subject: Projectwork		NEPTUN-code: RTPPM1IBNF	Number of hours: lec+gs+lab 0+0+2	Credit: 4 Requirements: term mark
Course coordinator: Rita Kendrovics Boda Ph.D.		Title: associate professor	Prerequisite: Technology of Specialisation III.	
Curriculum:				
The purpose of the subject is to enable students to apply the theoretical knowledge acquired in the professional subjects in practice-oriented projects. The 3-4 strong student groups (occasionally independently as well) learn the workflows – from raising the problem through working out the basic ideas, to conducting experiments – in complex work. Students will learn the appropriate distribution and time management for the work phases. They will learn how to create a schedule and coordinate workflows. After collecting and analysing international information, students will design a coordinated exhibition interior in a specific style. They will cooperate regularly with their consultants and relevant contacts at professional organisations and firms. In writing and presentations, too, students will report their workflows and results and create their portfolios. When carrying out these tasks, in addition to their problem-solving, form-creation, and design skills, students will also develop adaptability and communication skills; thus, they can build a strong foundation for joining professional circles.				
Detailed schedule of the course:				
Education Week	Topics of practices		Instructors	
1.	Semester syllabus: description of the project task and milestones (deadlines). Assignment of tasks. Implementation guidelines of project plans.		Dr. Orsolya Szabó. Dr Edit Csanák, DLA (Habil)	
2.	Individual work based on a worksheet. Sketches: consultation; technological limitations, opportunities.		Dr. Orsolya Szabó. Dr Edit Csanák, DLA (Habil)	
3.	AI-powered visualisation and design documentation.		Dr. Orsolya Szabó. András Koleszár	
4.	Submission of project design documentation and visuals. Internal jury.		Dr. Orsolya Szabó. Dr. Edit Csanák, DLA (Habil) András Koleszár	
5.	Implementation of a project task 1.		Dr. Orsolya Szabó.	
6.	Implementation of the project task 2. Professional jury.		Dr. Orsolya Szabó. Dr. Edit Csanák, DLA (Habil) András Koleszár	
7.	Implementation of a project task 3.		Dr. Orsolya Szabó	
8.	Implementation of a project task 4.		Dr. Orsolya Szabó	
9.	Implementation of the project task 5.		Dr. Orsolya Szabó	
10.	Implementation of project task 6.		Dr. Orsolya Szabó	
11.	Finalising outfits. Preparing an exhibition or fashion show		Dr. Orsolya Szabó. Dr. Edit Csanák, DLA (Habil) András Koleszár	
12.	Rector’s Break		(-)	
13.	Organisation of an exhibition or fashion show I.		Dr. Orsolya Szabó. Dr. Edit Csanák, DLA (Habil) András Koleszár	
14.	Organisation of an exhibition or fashion show II. Evaluation.		Dr. Orsolya Szabó. Dr. Edit Csanák, DLA (Habil) András Koleszár	
Mid-term requirements:				
<i>Attendance at lectures and practices/labs</i>				
Participation in exercises is compulsory; absences follow the TVSZ. In addition to the laboratory exercises, students can carry out curriculum-related tasks in a "Free Workshop".				

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Tests, minutes, reports, essays, etc.

Week 4: Submission of project documentation and visuals.

Week 12: Returning clothes

Week 13-14: Participation in the preparation and organisation of an exhibition or fashion show.

Method of obtaining a signature/mid-term mark

Mid-semester work will be evaluated based on completion of the tasks set by the instructors during the semester. Planning (20%), active participation in the project (10%), sub-tasks (10%) and submitted project work and documentation (60%) will be assessed. A minimum satisfactory level of completion of all sub-tasks is required to obtain a mid-semester mark.

The relevant provisions of the current Study and Examination Regulations apply to the replacement of the mid-term mark. .

Professional competencies:

- Knowledge of basic design principles and methods, as well as major production technology procedures and operating processes.
- Knowledge of the most important basic materials applied in the special area of product design, their production and their application criteria.
- Knowledge of basic construction designs and their dimensioning basics.
- Knowledge of the learning, knowledge acquisition, and data collection methods of the special field of product design, their ethical limitations and problem-solving techniques.
- Knowledge of the most important practical work techniques of their special field.
- Knowledge of the ethics and methods of teamwork.
- Able to design the form and construction of relatively simple products by considering the limits of production technology, the costs expected and impacts on the environment.
- Able to perform the virtual modelling of product concepts and products using 3D computer-aided design systems as well as to produce their technical documentation.
- Able to produce, examine and test real models and prototypes using direct digital production technologies based on both traditional and 3D product models.
- Able to master new knowledge by solving practical problems empirically.
- Understand and use characteristic online and printed references characteristic of their special field, both in Hungarian and in at least one foreign language.
- Able to take part in and to manage teamwork.
- Able to initiate, compile, and carry out projects in teamwork, primarily in a multidisciplinary environment.
- Able to consider the aspects of the historical, cultural, socio-economic and industrial environment in the process of industrial design and product development.
- Able to analyse design projects by applying design methods and to give methodological reasons for the workflows applied.
- Efforts to make self-education in the special area of industrial product design a continuous process in line with professional objectives.
- Efforts to solve tasks and make management decisions by being aware of the opinions of the colleagues supervised, possibly in cooperation therewith.
- Open to transmitting own knowledge to colleagues.
- Taking care to promote subordinates' professional development, to manage and help such endeavours.
- Taking care of ensuring equal access opportunities in problem solving.

Literature:

1. <https://elearning.uni-obuda.hu/> electronic notes and aids prepared by the instructor
2. Edit, Csanák: ADVANCED STUDENT PROJECTS IN THE SPIRIT OF INTERNATIONALISATION
In: Marija, Pesic INTERNATIONAL Scientific-Professional Conference Textile Science and Economy
Novi Sad, Serbia: University of Novi Sad, Technical Faculty "Mihajlo Pupin" (2022) pp. 32-43., 12 p.