



**Universitatea  
Transilvania  
din Brașov**  
FACULTATEA DE  
DESIGN DE PRODUS ȘI MEDIU

Str. Universității 1  
500068 – Brașov  
tel.: (+40) 268.473.113

# **DIPLOMA PROJECT GUIDE**

Study program: Industrial Design

**2023**

## **SCHEDULE OF BACHELOR'S DEGREE EXAM**

1 <sup>st</sup> -15 <sup>th</sup> of October	collection at the Department / online transmission of requests to choose the project topic from the study program students; the request is targeted by the scientific coordinator of the topic
15 <sup>th</sup> – 25 <sup>th</sup> of October	The coordinator of the study program draws up the list of topics for the diploma project based on the applications submitted by students and includes other topics proposed by teachers, within the number of topics on which they may propose them to each study program
25 <sup>th</sup> – 30 <sup>th</sup> of October	endorsement of topics in the Faculty Council
30 <sup>th</sup> of October – 1 <sup>st</sup> of November	publishing/posting the topics on the faculty website
15 <sup>th</sup> of November	publication on the faculty website of the student distribution to the coordinating teachers
1 <sup>st</sup> of December	collection at the Department of the Project Files diploma
January	Establishment of exam commissions
June	hand over of the diploma project
May -June	enrolling of the candidates to participate at the bachelor's degree examination
1 – 10 Iulie	bachelor's degree examination

**Note:** Any changes to the title of the topic can be made based on the student's well-motivated request and with the approval of the Faculty Council, but not later than March 15.

## **MINIMAL STRUCTURE OF THE DIPLOMA PROJECT**

### **Study program: Industrial Design ( in English )**

1. Knowledge analysis in the field of which of the product specified by the theme (documentation, description of existing products, comparative studies, establishment of product requirements) – maximum 20% of the total project;
2. Conceptual design of the product ( proposed variants, chosen solution );
3. Engineering design for functional components / subassemblies of the product (calculations of mechanical, electrical, hydraulic, control and control systems, etc .; sketches / diagrams, calculation memory, tables, graphics );
4. Component / subassemblies / product design ( sketches, 3D models, renders, aesthetic elements – colors, shapes, style, ergonomics studies);
5. Product promoting/marketing
6. Making the model / prototype for the designed product.
7. References

#### **Note on citation of bibliographic sources:**

Failure to respect intellectual property rights and the use of information from a source without citing it is plagiarism and is sanctioned according to the National Education Law and the University Charter.

The diploma project is loaded on the e-learning platform of the university in a specially created section and the originality is verified with the antiplagiarism software Turnitin.

## **GUIDELINES FOR DIPLOMA PROJECT EDITING**

The diploma project will contain between 50 to 80 pages (without drawings), will be written in Word, with figures in Corel, CATIA or Adobe using UT Sans font, with a height of 10-12 points and a maximum spacing of 1.5 rows.

Figures must be numbered in ascending order, from the first to the last chapter. References to all figures and references to all components of the bibliographic list (including www) must appear in the body text of the paper, with corresponding number in the bibliographic list, framed in square brackets [7].

Drawings in A4 format...A0 must be equivalent to at least 3 A0 formats. The drawings may contain 3D and 2D representations of the product and its components, overall and execution drawings, graphic representations of the experiments' results, promotional materials, defining elements of visual identity, etc.

The project will mandatory contain a study/model model (on a scale)/prototype of the product.

The bibliographic list shall be numbered in Arabic numerals and shall be drawn up as follows:

a) For articles:

Author (s), Article's title, Journal Name, Volume No., (Year), Article's Home - end page.

S. Goldsmith, E. Çetinörgü, R.L. Boxman, *Modeling the optical properties of tin oxide thinfilms*, Thin Solid Films, 517, (2009), pg. 5146-5150.

b) for books

Author (s), Book title, Publishing House and city, year of publication.

A. L. Luque, V. M. Andreev, *Concentrator Photovoltaics*, Springer-Verlag, Berlin Heidelberg, 2007.

c) information from various websites

You can cite the information from websites. Inserting of unprocessed information, including figures, is only allowed on public circuit sites, without copyright specifications. This specification is usually found at the base of the site.

The project's cover and under the cover will have the content of the Annexes. The first page of the project will be the (diploma project sheet - see Annexes), signed and stamped.

## **EXAMINATION**

The diploma exam will be held publicly, in front of the commission appointed by the Rector's Order and in the time interval set by ME and the University.

The registration of the candidates is made at least 10 days before the beginning of the exam, by submitting the Registration File to the Faculty Office. The registration file will include

the of the **diploma project file** (see Annexes), **Request for registration for the exam** (see Annexes) and Declaration on own responsibility on the originality of the work (see Annexes).

**The scientific coordinator will be co-opted for each Diploma Exam commission.**

The appointment of graduates for the diploma exam will be done by assigning for each candidate about 20 minutes. For support, the author of the project will make a PowerPoint presentation and in about 10 minutes will present the results, emphasizing his own contributions in the field of chosen topic.

If the project ended with a physical prototype, the product will be prepared in order to be presented to the commission and examined in constructive and operational terms. If the practical realization consists of a software program/product, small sequences with its operation may be presented.

After that, in about 10 minutes, the commission members will ask questions to the graduate, about the project and in the field of his specialty.