

**Master's degree program in Advanced Product Design Engineering
as of 2020/2021 academic year**

CURRICULUM

ECTS subject code **T APDE №**

- **T** – type of course: **B** for BEng, **M** for MEng;
- **APDE** - „Advanced Product Design Engineering”;
- **№** – subsequent number of the subject;

Lectures (L), tutorials (Tut), labs (Lab), Self-Study (SS);

Exam (E), continuous assessment (CA), semester project (SP), semester assignment (course work) (SA).

№	Subject	Semester load						Assessment				ECTS code	ECTS credits
		L	Tut	Lab	Aud. Total	SS	Total	E	CA	SP	SA		

SEMESTER I

1	Design Methods for Innovative Engineering Products	30	0	15	45	75	120	1				MAPDE 01	4
2	Innovation Management and Entrepreneurship	30	15	0	45	75	120		1			MAPDE 02	4
3	Computer Design of Innovative Products	30	0	30	60	90	150	1		1		MAPDE 03	5
4	Materials for Innovative Products	30	0	30	60	90	150	1			1	MAPDE 04	5
5	Engineering Adhesives, Thin Films and Coatings	30	0	30	60	60	120		1			MAPDE 05	4
6	Design of Household Products	30	0	15	45	75	120	1			1	MAPDE 06	4
7	Design of Engineering Composite Products	30	0	30	60	60	120		1			MAPDE 07	4
Total		210	15	150	375	525	900	4	3	1	2		30

№	Subject	Semester load						Assessment				ECTS code	ECTS credits
		L	Tut	Lab	Aud. Total	SS	Total	E	CA	SP	SA		

SEMESTER II

8	Computer Simulation Analysis	30	0	15	45	45	90	1		1		MAPDE 08	3
9	Tooling Equipment	30	0	15	45	45	90	1		1		MAPDE 09	3
10	Testing and Evaluation of Engineering Products	30	0	15	45	45	90		1		1	MAPDE 10	3
11	Optional Subject (List 1)	30	0	15	45	45	90		1		1	MAPDE 11	3
12	Optional Subject (List 2)	30	0	15	45	45	90	1				MAPDE 12	3
13	Diploma project					450	450	Diploma project defense				MAPDE 13	15
Total		150	0	75	225	675	900	3	2	2	2		30

The list of optional subjects are annually updated and approved by the Faculty Council of Mechanical Engineering Faculty.

LIST OF OPTIONAL SUBJECTS

List - 1 MAPDE11 (ECTS credits - 3)		Code
1	Advanced Materials	MAPDE11.1
2	Design of Vehicles	MAPDE11.2

List - 2 MAPDE12 (ECTS credits - 3)		Code
1	Eco-Design and Recycling	MAPDE12.1
2	Contemporary Ergonomics and Usability	MAPDE12.2

LIST OF FACULTATIVE SUBJECTS

№	Subject	Semester load						Assessment				ECTS code	ECTS credits
		L	Tut	Lab	Aud. Total	SS	Total	E	C A	SP	S A		

SEMESTER I

1	Technical Rubber Products	30	0	30	60	60	120		1			FaMAPDE 01	4
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SEMESTER II

2	Packaging Design	30	0	30	60	60	120		1			FaMAPDE 02	4
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