

CURRICULUM – Ist YEAR (new)
2023-2024

UNIVERSITY	George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș	STUDY PROGRAMME	DENTAL TECHNOLOGY
FACULTY	FACULTY OF DENTAL MEDICINE	TITLE AWARDED	LICENSED IN DENTAL TECHNOLOGY
FIELD OF STUDY	HEALTH	DURATION OF STUDIES	3 YEARS
LEVEL OF COVERAGE	GENERAL	TRANSFERABLE CREDITS (ECTS)	60+2 (COMPULSORY - OPTIONAL)

Nr. crt.	Educational activities Subjects	Subject code/ Type	I st Semester								II nd Semester								Total per academic year					
			Module I (7 weeks) - fundamental, complementary, domain				Module II (7 weeks) – specialty				Module III (7 weeks) – specialty				Module IV (7 weeks) – specialty									
			Course	P.a Sem	ECTS	Verif form	Course	P.a Sem	ECTS	Verif form	Course	P.a Sem	ECTS	Verif form	Course	P.a Sem	ECTS	Verif form	Course	P.a/ Sem	Indiv. st	ECTS		
1.	Anatomy	TDE 101/FS	4	4	3	E													28	28	19	3		
2.	Biochemistry	TDE 102/FS	2	2	3	E													14	14	47	3		
3.	Hygiene	TDE 103/DS	2	2	3	E													14	14	47	3		
4.	Histology. Morphopathology*	TDE 104/FS	2	2	3	E													14	14	47	3		
5.	Medical first aid	TDE 105/DS	-	2	2	C													-	14	36	2		
6.	Teeth and dental arches morphology	TDE 106/SS	4	-	-	-	-	10	7	E									28	70	77	7		
7.	Pharmacology	TDE 107/FS					2	2	2	E									14	14	22	2		
8.	Physiology. Physiopathology *	TDE 108/FS					2	2	2	E									14	14	22	2		
9.	Materials used in dental technique	TDE 109,110/SS					2	4	3	E	2	6	6	E					28	70	127	9		
10.	Organization of the dental laboratory, ergonomics and professional legislation**	TDE 111/SS									2	-	2	C					14	-	36	2		
11.	Paediatric dentistry (concepts)	TDE 112/SS									2	-	2	C					14	-	36	2		
12.	Foreign languages	TDE 113/CS									-	-/4	2	C					-	-/28	22	2		
13.	Medical and dental terminology	TDE 114/RS									2	-	2	C					14	-	36	2		
14.	Biophysics	TDE 115/FS									2	4	2	E					14	28	8	2		
15.	Prosthodontics (single-tooth restorations)	TDE 116/SS									2	-	2	C					14	-	36	2		
16.	Physical education ***	TDE 117/CS													-	4	2	C	-	28	-	2		
17.	Laboratory instruments and appliances	TDE 118/SS													2	4	3	E	14	28	33	3		
18.	Healthcare informatics and biostatistics	TDE 119/CS													2	4	2	E	14	28	8	2		
19.	Fixed prosthodontics technology - (Single-tooth restaurations / Dental Bridges) (I)	TDE 120/SS													4	4	3	E	28	28	19	3		
20.	Specialty practice	TDE 121/SS													-	-	2	C	-	120	-	2		
21.	Optional subject****	TDE 122, 123/FS	2	2	2	C									2	2	2	C	28	28	44	4		
TOTAL		7FS, 2DS, 3CS, 8SS, 1 RS	16	14	16	4E,2C	6	18	14	4E	12	10/4	18	2E, 5C	10	18	12+2	3E,3C	308	540/28	722	60+2		
TOTAL HOURS/CREDITS			27 hours/week - 30 ECTS/semester								27 hours /week - 30+2 ECTS/semester								876					
**** Optional subjects / one subject of choice: from the DENTAL TECHNOLOGY package																								

*For Physiology. Physiopathology: Physiology 8 hours of courses, 8 hours pf PA and Physiopathology 6 hours of lectures, 6 hours pf PA.
*For Histology. Morphopathology: Histology 8 hours of courses, 8 hours pf PA and Morphopathology 6 hours of courses, 6 hours pf PA.
** It takes place together with the IIIrd year (2 hours/week/module)
*** Additional credits to the 60 ECTS.
Explanatory notes regarding Specialty practice: 3 weeks, 8 hours x 5 days/week
Theory / practice ratio: (PA, Seminar, Specialty practice) - 308:568 = 1 : 1,84
DS – domain subject; **SS** – specialty subject; **CS** – complementary subject; **FS** –fundamental subject; ; **RS** – relevant subject; **OPT** - Optional subject; **ECTS** – European System of Transferable credits.
E – examination; **C** – colloquium; **Cs** – course; **PA** – practical activities; **SP** – Specialty practice; **Sem** – seminar; **Indiv. st** – individual study hours

RECTOR,

Prof. Azamfirei Leonard *MD PhD*

VICE - RECTOR FOR EDUCATION,

Prof. Oana Mărginean *MD PhD*
Prof. Klara Brînzaniuc *MD PhD*

DEAN,

Prof. Cristina Ioana Bica *MD PhD*

STUDY PROGRAMME MANAGER,

Conf. Dr. Diana Cerghizan

FACULTY CHIEF SECRETARY,

Ec. Gabriela Pop

**CURRICULUM – IInd YEAR
2023-2024**

UNIVERSITY	George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș	STUDY PROGRAMME	DENTAL TECHNOLOGY
FACULTY	FACULTY OF DENTAL MEDICINE	TITLE AWARDED	LICENSED IN DENTAL TECHNOLOGY
FIELD OF STUDY	HEALTH	DURATION OF STUDIES	3 YEARS
LEVEL OF COVERAGE	GENERAL	TRANSFERABLE CREDITS (ECTS)	60+2 (COMPULSORY - OPTIONAL)

Nr. crt.	Educational activities Subjects	Subject code/ Type	I st Semester								II nd Semester								Total per academic year				
			Module I (7 weeks) – specialty, complementary, domain				Module II (7 weeks) – specialty				Module III (7 weeks) – specialty				Module III (7 weeks) – specialty								
			Course	P.a Sem	ECTS	Verif form	Course	P.a Sem	ECTS	Verif form	Course	P.a Sem	ECTS	Verif form	Course	P.a Sem	ECTS	Verif form	Course	P.a/ Sem	Indiv. st	ECTS	
1	Behavioural sciences and bioethics	TDE 201/CS	2	-	2	C													14	-	36	2	
2	Microbiology and virusology	TDE 202/DS	2	2	3	E													14	14	47	3	
3	Ortodontics and dento-facial orthopedics	TDE 203,204/SS	4	4	4	E									4	4	3	E	56	56	63	7	
4	Dentogenics and facial aesthetics	TDE 205,206/SS	2	4	4	E					2	4	4	E					28	56	116	8	
5	Physical education*	TDE 207/CS	-	4	2	C													-	28	-	2	
6	Fixed prosthodontics	TDE 208/SS	4	-	-	-	-	8	5	E									28	56	41	5	
7	Technology of fixed dental prosthesis-dental bridges	TDE 209/SS					4	16	8	E									28	112	60	8	
8	Methodology of scientific research	TDE 210/SS					2	-	2	C									14	-	36	2	
9	Ergonomics	TDE 211/SS					2	-	2	C									14	-	36	2	
10	Foreign languages	TDE 212/CS									-	-/4	3	C					-	-/28	47	3	
11	Complete denture technology	TDE 213/SS									2	8	-	-	2	8	8	E	28	112	60	8	
12	Concepts of prosthodontics - total prosthesis	TDE 214/SS									2	4	-	-	2	4	6	E	28	56	66	6	
13	Concepts of odontology	TDE 215/SS													4	-	2	C	28	-	22	2	
14	Annual clinical practice	TDE 216/SS													-	-	2	C	-	160	-	2	
15	Optional subject **	TDE 217/SS													2	-	2	C	14	-	36	2	
TOTAL		11SS, 3CS, 1DS	14	14	13+2	3E, 2C	8	24	17	2E,2C	6	16/4	7	1E, 1C	14	16	23	3E, 3C	294	650/28	666	60+2	
TOTAL HOURS/CREDITS			30 hours /week - 30 + 2 ECTS/semester								28 hours /week - 30 ECTS/semester								972				
**Optional subjects / one subject of choice: from the DENTAL TECHNOLOGY package																							

* Additional credits to the 60 ECTS.

Explanatory notes regarding Annual clinical practice: 4 weeks, 8 hours x 5 days/week.

Theory / practice ratio (PA, Seminar, Specialty practice) - 294 : 678 = 1 : 2,31

DS – domain subject; **SS** – specialty subject; **CS** – complementary subject; **OPT** - Optional subject; **ECTS** – European System of Transferable credits.

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Prof. Cristina Ioana Bica *MD PhD*

STUDY PROGRAMME MANAGER,

Conf. Dr. Diana Cerghizan

FACULTY CHIEF SECRETARY,

Ec. Gabriela Pop

CURRICULUM – IIIrd YEAR
2023-2024

UNIVERSITY	George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureş	STUDY PROGRAMME	DENTAL TECHNOLOGY
FACULTY	FACULTY OF DENTAL MEDICINE	TITLE AWARDED	LICENSED IN DENTAL TECHNOLOGY
FIELD OF STUDY	HEALTH	DURATION OF STUDIES	3 YEARS
LEVEL OF COVERAGE	GENERAL	TRANSFERABLE CREDITS (ECTS)	60+2 (COMPULSORY - OPTIONAL)

Nr. crt.	Educational activities Subjects	Subject code/ Type	I st Semester								II nd Semester								Total per academic year			
			Module I (7 weeks) – specialty				Module II (7 weeks) – specialty				Module III (7 weeks) – specialty				Module IV (7 weeks) – specialty							
			Course	P.a Sem	ECTS	Verif form	Course	P.a Sem	ECTS	Verif form	Course	P.a Sem	ECTS	Verif form	Course	P.a Sem	ECTS	Verif form	Course	P.a/ Sem	Indiv. st	ECTS
1	Technology of removable prosthesis	TDE 301/SS	4	24	9	E													28	168	29	9
2	Concepts of periodontology	TDE 302/SS	2	2	3	E													14	14	47	3
3	Concepts of prosthodontics-removable prosthesis	TDE 303/SS					4	8	7	E									28	56	91	7
4	Technology of orthodontic appliances	TDE 304,305/SS					4	4	4	E					4	6	5	E	56	70	99	9
5	Technology of surgical devices. OMF surgery concepts	TDE 306/SS					4	4	5	C									28	28	69	5
6	Technological concepts of guided surgery	TDE 307/RS					2	-	2	C									14	-	36	2
7	Metal-ceramic technologies	TDE 308/SS									4	8	7	E					28	56	91	7
8	Labor protection in the dental laboratory	TDE 309/SS									-	-/4	2	C					-	-/28	22	2
9	Organization of the dental technology laboratory, ergonomics and professional legislation *	TDE 310/SS									2	-	2	C					14	-	36	2
10	All ceramic and CAD/CAM technologies	TDE 311/RS									4	4	4	E					28	28	44	4
11	Prosthetic technologies on implants	TDE 312/SS													4	8	6	E	28	56	66	6
12	Practical skills and specialty training **	TDE 313/SS													-	-	2	C	-	112	-	2
13	Optional subject ***	TDE 314/SS													2	-	2	C	14	-	36	2
TOTAL		11SS, 2RS	6	26	12	2E	14	16	18	2E, 2C	10	12/4	15	2E, 2C	10	14	15	2E, 2C	280	588/28	666	60
TOTAL HOURS/CREDITS			31 hours /week - 30 ECTS/semester								25 hours /week - 30 ECTS/semester								896			
*** Optional subjects / one subject of choice: from the DENTAL TECHNOLOGY package																						

* It takes place together with the Ist year (2 hours/week/module)
** Practical skills and specialty training: 112 hours in the IInd semester (8 hours /week); Preparation of the graduation thesis: 160 hours in the Ist and IInd semester;
Theory / practice ratio (PA, Seminar, Specialty training) - 280 : 616 = 1 : 2,2
DS – domain subject; SS – specialty subject; CS – complementary subject; RS – relevant subject; OPT - Optional subject; ECTS – European System of Transferable credits.
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