CURRICULUM – I[st] YEAR (new)
2023-2024

UNIVERSITY	**George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș**	**STUDY PROGRAMME**	DENTAL TECHNOLOGY - Extension in Bistrita City
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 III[rd] 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; I**ndiv. st** – individual study hours

RECTOR,	**VICE - RECTOR FOR EDUCATION,**	**DEAN,**	**STUDY PROGRAMME MANAGER,**	**FACULTY CHIEF SECRETARY,**
Prof. Azamfirei Leonard *MD PhD*	Prof. Oana Mărginean *MD PhD* Prof. Klara Brînzaniuc *MD PhD*	Prof. Cristina Ioana Bica *MD PhD*	Conf. Dr. Diana Cerghizan	Ec. Gabriela Pop

CURRICULUM – IInd YEAR
2024-2025

UNIVERSITY	**George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș**	**STUDY PROGRAMME**	DENTAL TECHNOLOGY - Extension in Bistrita City
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**	**Ist Semester**								**IInd 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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CURRICULUM – III[rd] YEAR
2025-2026

UNIVERSITY	**George Emil Palade University of Medicine, Pharmacy, Science, and Technology of Târgu Mureș**	**STUDY PROGRAMME**	DENTAL TECHNOLOGY - Extension in Bistrita City
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 I[st] year (2 hours/week/module)

** Practical skills and specialty training: 112 hours in the II[nd] semester (8 hours /week); Preparation of the graduation thesis: 160 hours in the I[st] and II[nd] 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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