

UNIVERSITY	UNIVERSITY OF MEDICINE, PHARMACY, SCIENCE AND TECHNOLOGY TIRGU MURES	SPECIALISATION	MEDICINE – ENGLISH (HAMBURG)
FACULTY	FACULTY OF MEDICINE	TITLE	PHYSICIAN
FIELD OF STUDY	HEALTH	DURATION	6 YEARS
LEVEL OF COVERAGE	SECTORIAL	ECTS	360 (COMPULSORY + OPTIONAL)

### 1<sup>st</sup> Year of study

No.	Educational activities Objects/Disciplines	Code	Type	Semester I (14 weeks)				Semester II (14 weeks)				Total per academic year		
				Course	LP/Sem/ Stag/Pract	ECTS	Type of assessment	Course	LP/Sem/ Stag/Pract	ECTS	Type of assessment	Course	LP/Sem/ Stag/Pract	ECTS
1	Biophysics and Medical Biotechnology	MED101	FD	2	3	5	E					28	42	5
2	Biochemistry (1)	MED102	FD	2	3	5	E					28	42	5
3	Anatomy (1)	MED103	FD	2	5(4+1)*	9	E					28	70(56+14)*	9
4	Medical Informatics	MED104	CD	2	3	4	E					28	42	4
5	Medical Psychology and Sociology	MED105	CD	2	2	3	E					28	28	3
6	Anatomy (2)	MED106	FD					2	5(4+1)*	9	E	28	70(56+14)*	9
7	Physiology (1)	MED107	FD					2	3	5	E	28	42	5
8	Biochemistry (2)	MED108	FD					2	3	5	E	28	42	5
9	Molecular and Cell Biology	MED109	FD					2	3	5	E	28	42	5
10	Foreign Language (1)	MED110	CD		2	2	T		2	2	T	0	56	4
11	Medical Terminology	MED111	RD					2		2	T	28	0	2
12	Physical Education	MED112	CD						2	2	T	0	28	2
13	Medical Practice	MED113	SD							2	T	0	160	2
14	Optional Course**		OPT	1		2	T					14	0	2
<b>Grand Total</b>		<b>7FD; 1SD; 1RD; 4CD; 1OPT</b>		<b>11</b>	<b>18</b>	<b>30</b>	<b>5E, 2T</b>	<b>10</b>	<b>18</b>	<b>30+2 ***</b>	<b>4E; 4T</b>	<b>294</b>	<b>664</b>	<b>60+2***</b>
<b>TOTAL HOURS/CREDITS/SEM/YEAR</b>				<b>29</b>				<b>28</b>				<b>958</b>		
<b>*Discipline courses – 1 object/year</b>														
1	Fundamentals of Biology	MED114	OPT	1		2	T					14		2
2	Fundamentals of Chemistry	MED115	OPT	1		2	T					14		2
3	Fundamentals of Physics	MED116	OPT	1		2	T					14		2

**Total: 958 hours (courses: 294 h; practice: 664 h) - Ratio theory/practical activity (LP, Seminar, Stages, Practice): 294/664 : 1/ 2.25**

\* (56+14) – 2x56 hours in Hamburg Campus, 2x14 hours in Tîrgu Mureş Campus

\*\* : Compulsory, credited;

\*\*\* (+2): extra ECTS for Physical Education

FD - Fundamental discipline; SD – Specialty discipline; CD– Complementary discipline; RD – Relevant discipline for the Program of Study; DD-Domain discipline; OPT – Optional discipline

E – exam; T- test; LP – Practical activities; Sem – seminar; Stag – clinical stage; Pract – practice; ECTS –Transferable European Credits

2<sup>nd</sup> Year of Study

No.	Educational activities Objects/Disciplines	Code	Type	Semester I (14 weeks)				Semester II (14 weeks)				Total per academic year		
				Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS
1	Anatomy (3)	MED201	FD	2	5(4+1)*	9	E					28	70(56+14)*	9
2	Physiology (2)	MED202	FD	2	3	6	E					28	42	6
3	Histology (1)	MED203	FD	2	3	6	E					28	42	6
4	Patient-Doctor Communication	MED204	CD	2	2	3	E					28	28	3
5	Physiology (3)	MED205	FD					2	3	6	E	28	42	6
6	First Aid	MED206	SD					2	2	4	E	28	28	4
7	Histology (2)	MED207	FD					2	3	6	E	28	42	6
8	Genetics	MED208	FD					2	3	6	E	28	42	6
9	Behavioral Sciences	MED209	CD					2	2	2	E	28	28	2
10	Foreign Language (2)	MED210	CD		3	2	T		3	2	T	0	84	4
11	Medical Deontology. Bioethics.	MED211	DD	2		2	T					28	0	2
12	Physical Education	MED212	CD						2	2	T	0	28	2
13	Introduction in Practical Work	MED213	RD						1	2	T	0	14	2
14	Medical Practice	MED214	SD							2	T	0	160	2
15	Optional Course*		OPT	1		2	T					14	0	2
<b>Grand Total</b>		<b>6 FD; 2SD; 1DD; 4 CD; 1 RD; 1OPT</b>		<b>11</b>	<b>16</b>	<b>30</b>	<b>4E; 3T</b>	<b>10</b>	<b>19</b>	<b>30+2 ***</b>	<b>5E; 4T</b>	<b>294</b>	<b>650</b>	<b>60+2 ***</b>
<b>TOTAL HOURS/CREDITS/SEM/YEAR</b>				<b>27</b>				<b>29</b>				<b>944</b>		
<b>* Discipline courses – 1 object/year</b>														
1	Clinical Anatomy	MED215	OPT	1		2	T					14		2
2	Orientation in Medical Profession	MED216	OPT	1		2	T					14		2
3	History of Medicine	MED217	OPT	1		2	T					14		2

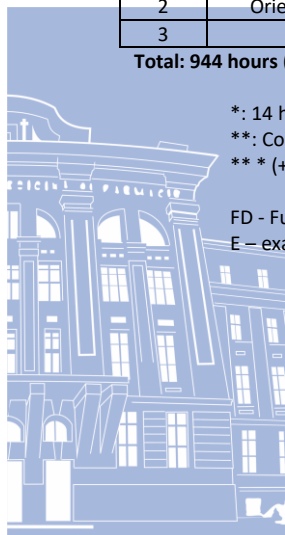
Total: 944 hours (courses: 294 h; practice: 650 h) - Ratio theory/practical activity (LP, Seminar, Stages, Practice): 294/650: 1/ 2.21

\*: 14 hours in Tirgu Mures Campus

\*\* : Compulsory, credited.

\*\*\* (+2): extra ECTS for Physical Education

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3<sup>rd</sup> Year of Study

No.	Educational activities Objects/Disciplines	Code	Type	Semester I (14 weeks)				Semester II (14 weeks)				Total per academic year		
				Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS
1	Pharmacology.	MED301	FD	2	2	4	E	2	2	4	E	56	56	8
2	Bacteriology. Virology. Parasitology	MED302	FD	2	2	4	E	2	2(1+1)	4	E	56	56	8
3	Pathology	MED303	FD	2	2	3	E	2	2(1+1)	3	E	56	56	6
4	Pathophysiology	MED304	FD	2	2	3	E					28	28	3
5	Surgical Semiology (1)	MED305	DD	2	3	5	E					28	42	5
6	Medical Semiology (1)	MED306	DD	2	3	5	E					28	42	5
7	Clinical Biochemistry. Immunology	MED307	DD					1	1	2	T	14	14	2
8	Surgical Semiology (2)	MED308	DD					2	3	5	E	28	42	5
9	Medical Semiology (2)	MED309	DD					2	3	5	E	28	42	5
10	Hygiene, Environmental Health and Food Safety	MED310	DD					2	2	3	E	28	28	3
11	Scientific Research Methodology	MED311	CD	1	1	2	T					14	14	2
12	Medical Biostatistics	MED312	CD	1	1	2	T					14	14	2
13	Medical Practice	MED313	SD							2	T	0	160	2
14	Medical abilities*	MED314	SD			2	T					0	48	2
15	Optional course**		OPT					1		2	T	14	0	2
<b>Grand Total</b>		<b>4FD; 6DD; 2SD; 2CD; 1OPT</b>		<b>14</b>	<b>16</b>	<b>30</b>	<b>6E; 3T</b>	<b>14</b>	<b>15</b>	<b>30</b>	<b>6E; 3T</b>	<b>392</b>	<b>642</b>	<b>60</b>
<b>TOTAL HOURS/CREDITS/SEM/YEAR</b>				<b>30</b>				<b>29</b>				<b>1034</b>		
<b>** Discipline courses – 1 object/year</b>														
1	Legal Responsibility of the Medical Profession	MED315	OPT					1		2	T	14		2
2	Alternative Medicine	MED316	OPT					1		2	T	14		2

**Total: 1034 hours (courses: 392 h; practice: 642 h) - Ratio theory/practical activity (LP, Seminar, Stages, Practice): 392/642: 1/1.63**

\*: Medical abilities – 12 h x 4 = 48 h

\*\*: Compulsory, credited.

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4<sup>th</sup> Year of Study

No.	Educational activities Objects/Disciplines	Code	Type	Semester I (14 weeks)				Semester II (14 weeks)				Total per academic year		
				Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS
1	Orthopedics and Traumatology	MED401	SD	2	15 (3s)	6	E					28	45	6
2	General Surgery	MED402	SD	3	15 (6s)	9	E					42	90	9
3	Urology	MDE403	SD	2	15 (3s)	6	E					28	45	6
4	Endocrinology	MDE404	SD	2	2	4	E					28	28	4
5	Pediatric surgery. Pediatric Orthopedics	MDE405	SD	1	15 (1s)	3	E					14	15	3
6	Plastic, Esthetics and Reconstructive Microsurgery	MED406	SD	1	15 (1s)	2	E					14	15	2
7	Internal medicine (1)*	MDE407	SD					3	15 (11s)	10	E	42	165	10
8	Emergency Medicine	MDE408	SD					1	15 (2s)	4	E	14	30	4
9	Child care	MDE409	SD					1	15 (1s)	3	T	14	15	3
10	Radiology and medical imaging	MDE410	DD					2	1	3	E	28	14	3
11	Occupational medicine and professional diseases	MDE411	SD					1	1	2	E	14	14	2
12	Oral-maxillo-facial Surgery	MED412	SD					1	1	2	E	14	14	2
13	Medical Practice	MED413	SD							2	T	0	160	2
14	Medical abilities**	MED414	SD							2	T	0	48	2
15	Optional course***		OPT					1		2	T	14	0	2
<b>Grand Total</b>		<b>13 SD; 1 DD; 1 OPT</b>		<b>11</b>	<b>17</b>	<b>30</b>	<b>6E</b>	<b>10</b>	<b>18</b>	<b>30</b>	<b>5E; 4T</b>	<b>294</b>	<b>698</b>	<b>60</b>
<b>TOTAL HOURS/CREDITS/SEM/YEAR</b>				<b>28</b>				<b>28</b>				<b>992</b>		
<b>*** Discipline courses – 1 object/year</b>														
1	Digestive Endoscopy	MED415	OPT					1		2	T	14		2
2	Alergology	MED416	OPT					1		2	T	14		2

**Total: 992 hours (courses: 294 h; practice: 698 h) - Ratio theory/practical activity (LP, Seminar, Stages, Practice): 294/698 : 1 / 2.37**

\* Internal Medicine (1): Cardiology; Hematology

\*\* Medical abilities – 12 h x 4 = 48 h

\*\*\* Compulsory, credited.

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5<sup>th</sup> Year of Study

No.	Educational activities Objects/Disciplines	Code	Type	Semester I (14 weeks)				Semester II (14 weeks)				Total per academic year		
				Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS
1	Internal medicine (2)*	MED501	SD	3	15 (11s)	10	E					42	165	10
2	Rheumatology	MED502	SD	1	15 (1s)	3	E					14	15	3
3	Rehabilitation, Physical Medicine and Balneology	MED503	SD	1	15 (1s)	3	E					14	15	3
4	ENT	MED504	SD	2	1	4	E					28	14	4
5	Dermatology	MED505	SD	2	15 (1s)	4	E					28	15	4
6	Ophthalmology	MED506	SD	2	1	4	E					28	14	4
7	Anesthesia-Intensive Care	MED507	SD					2	15 (3s)	6	E	28	45	6
8	Neurology	MED508	SD					2	15 (3s)	6	E	28	45	6
9	Pediatrics	MED509	SD					3	15 (7s)	8	E	42	105	8
10	Pneumology	MED510	SD					1	15 (1s)	2	E	14	15	2
11	Medical Oncology	MED511	SD					1	1	2	E	14	14	2
12	Pediatric Psychiatry	MED512	SD					1	1	2		14	14	2
13	Medical Practice	MED513	SD							2	T	0	160	2
14	Medical abilities**	MED514	SD			2	T					0	48	2
15	Optional Course***		OPT					1		2	T	14	0	2
<b>Grand Total</b>		<b>14SD; 1 OPT</b>		<b>11</b>	<b>17</b>	<b>30</b>	<b>6E; 1T</b>	<b>11</b>	<b>17</b>	<b>30</b>	<b>5E; 2T</b>	<b>308</b>	<b>684</b>	<b>60</b>
<b>TOTAL HOURS/CREDITS/SEM/YEAR</b>				<b>28</b>				<b>28</b>				<b>992</b>		
<b>*** Discipline courses – 1 object/year</b>														
1	Interventional Cardiology	MED515	OPT					1		2	T	14		2
2	Pain Therapy	MED516	OPT					1		2	T	14		2
3	Neurosurgery	MED517	OPT					1		2	T	14		2

**Total: 992 hours (courses: 308 h; practice: 684 h) - Ratio theory/practical activity (LP, Seminar, Stages, Practice): 308/684 : 1 / 2.22**

\* Internal Medicine (2): Gastroenterology, Nephrology, Diabetology and Nutritional Diseases

\*\* Medical abilities – 12 h x 4 = 48 h

\*\*\* Compulsory, credited.

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6<sup>th</sup> Year of Study

No.	Educational activities Objects/Disciplines	Code	Type	Semester I (14 weeks)				Semester II (14 weeks)				Total per academic year		
				Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS	Type of Assesment	Course	LP/Sem/ Stag/Pract	ECTS
1	Obstetrics-Gynecology. Neonatology	MED601	SD	2	15 (6s)	7	E	2	15 (6s)	7	E	56	180	14
2	Infectious diseases	MED602	SD	1	15 (4s)	6	E	2	15 (4s)	6	E	42	120	12
3	Family medicine	MED603	SD	2	15 (4s)	6	E					28	60	6
4	Public health	MED604	DD	1	1	2	T					14	14	2
5	Health management	MED605	DD	1	1	2	T					14	14	2
6	Primary care	MED606	DD	1	1	2	T					14	14	2
7	Palliative care	MED607	SD	1	1	3	E					14	14	3
8	Epidemiology	MED608	DD					2	15 (1s)	4	E	28	15	4
9	Psychiatry	MED609	SD					2	15 (3s)	6	E	28	45	6
10	Forensic Medicine	MED610	SD					2	1	5	E	28	14	5
11	Medical abilities*	MED611	SD							2	T	0	48	2
12	Preparation of graduation thesis	MED612	-									0	160	-
13	Optional Course**		OPT	1		2	T					14	0	2
<b>Grand Total</b>		<b>7 SD; 4DD; 1 OPT</b>		<b>10</b>	<b>19</b>	<b>30</b>	<b>4E; 4T</b>	<b>10</b>	<b>16</b>	<b>30</b>	<b>5E; 1T</b>	<b>280</b>	<b>698</b>	<b>60</b>
<b>TOTAL HOURS/CREDITS/SEM/YEAR</b>				<b>29</b>				<b>26</b>				<b>978</b>		
<b>** Discipline courses – 1 object/year</b>														
1	Clinical homeopathy	MED613	OPT	1		2	T					14		2
2	Geriatrics	MED614	OPT	1		2	T					14		2

Total: 978 hours (courses: 280h; practice: 698h) - Ratio theory/practical activity (LP, Seminar, Stages, Practice): 280/698 : 1 / 2,49

\* Medical abilities – 12 h x 4 = 48 h

\*\* Compulsory, credited.

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**Total 6 Years : 360 ECTS + 4 ECTS (Physical Education)**

**5898 hours (5710 hours + 28 hours for Physical Education + 160 hours for preparation of Graduation Thesis)**

**Ratio theory/practical activity (LP, Seminar, Stages, Practice): 1862 /3848 – 1/2.06\***

\* - were excluded the teaching hours for Physical Education and preparation of Graduation Thesis

