

**DISCIPLINE SHEET**

**ACADEMIC YEAR**

**2022- 2023**

**1. DATA ABOUT THE STUDY PROGRAM**

1.1 Institution of higher education	UNIVERSITY OF MEDICINE AND PHARMACY OF CRAIOVA
1.2 Faculty	<b>MEDICINE</b>
1.3 Department	1
1.4 Study Domain	HEALTH
1.5 Study cycle	LICENCE
1.6 Study program/ Qualification	MEDICINE

**2. DATA ABOUT THE DISCIPLINE**

2.1 DISCIPLINE NAME	<b>TOPOGRAPHIC AND SECTIONAL ANATOMY</b>		
2.2. Discipline code	<b>MED2202</b>		
2.3 The holder of course activities	Mindrila Ion, Melinte Petru Razvan, Popescu Smaranda, Marinaş Cristian, Mesina Mihaela, Taisescu Oana, Pirici Ionica, Capitanescu Bogdan, Margineanu Ovidiu Marcel, Sas Lorena, Cercelaru Liliana, Stanescu Radu		
2.4 The holder of seminar activities	Mindrila Ion, Melinte Petru Razvan, Taisescu Oana, Pirici Ionica, Popescu Smaranda, Marinaş Cristian, Mesina Mihaela, Capitanescu Bogdan, Margineanu Ovidiu Marcel, Sas Lorena, Stanescu Radu, Cercelaru Liliana, Sirbuleţ Carmen, Comanescu Cristina, Rocsoreanu Cristina, Enache Irina		
2.5. Academic degree	Professor, Associate Professor ,Lecturer, Universitar Asistent		
2.6. Employment (base norm/associate)	Base norm		
2.7. Year of study	<b>2</b>	2.8. Semester	<b>II</b>
2.9. Course type (content)		2.10. Regime of discipline (compulsoriness)	
		<b>CFD</b>	

**3. TOTAL ESTIMATED TIME (teaching hours per semester)**

3.1 Number of hours per week	<b>4</b>	From which - course	<b>2</b>	seminary/laboratory	<b>2</b>
3.4 Total hours in curriculum	<b>56</b>	From which - course	<b>28</b>	seminary/laboratory	<b>28</b>
Time found distribution (hours)					
Study by manual, course support, bibliography, and notes					<b>10</b>
Additional documentation in the library, specialized electronic platforms and, on the field					<b>10</b>
Training seminars / labs, homework, reports, portfolios, and essays					<b>14</b>
Tutoring					<b>2</b>
Examinations					<b>2</b>
Other activities, counselling, student circles					<b>6</b>
3.7 Total hours of individual study	<b>44</b>				
3.9 Total hours per semester	<b>100</b>				
3.10 Number of credits	<b>4</b>				

**4. PREREQUISITES** (where appropriate)

4.1 curriculum	- The students have to have general background knowledges of anatomy
4.2 competency	-

**5. CONDITIONS** (where appropriate)

5.1. of course deployment	Lecture Hall with projector / online Preparing in advance by individual study (teaching material on the discipline site)
5.2. of seminary/ lab deployment	Anatomy Lab / online Preparing in advance by individual study

**6. SPECIFIC COMPETENCES ACCRUED**

<b>PROFESSIONAL COMPETENCES</b>	C1. Knowledge, understanding and use of the specific language
	- to know the concepts of general and systemic anatomy in clinical context
	- identifying the state of ill-health and accurately diagnosing the condition(s)
	C4 – To address health issues/illness from the perspective of community specifics, directly related to the social, economic and/or the cultural specificity.
C5 – To address health issues/illness from the perspective of community specifics, directly related to the social, economic and/or the cultural specificity.	

<b>TRANSVERSAL COMPETENCES</b>	<p><b>CT1. Autonomy and responsibility</b></p> <ul style="list-style-type: none"> <li>- acquiring moral guidelines, formation of professional and civic attitudes that enable students to be fair, honest, peaceful, cooperative, sympathetic to the suffering, available to help people, interested of community development;</li> <li>- to know, respect and contribute to the development of moral values and professional ethics;</li> <li>- learning to recognize when a problem arises and provide responsible solutions to solve it;</li> </ul> <p><b>CT2. Social interaction</b></p> <ul style="list-style-type: none"> <li>- to recognize and respect diversity and multiculturalism;</li> <li>- to have or learn to develop teamwork skills;</li> <li>- to communicate requirements orally and in writing, working methods, results, consult with the team;</li> <li>- to get involved in volunteering, to know the essential problems of the community.</li> </ul> <p><b>CT3. Personal and professional development</b></p> <ul style="list-style-type: none"> <li>- to be open to lifelong learning;</li> <li>- to realize the need for individual study as the basis of personal autonomy and professional development;</li> <li>- to optimally and creatively exploit their potential in the collective activities</li> <li>- know how to use information and communication technology</li> </ul>
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### 7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the discipline	<p>Acquiring knowledge needed to understand and use academic language of international anatomical terminology</p> <p>Learning concepts underlying anatomic curricular practices and medical manoeuvres</p> <p>Acquiring knowledge of anatomy underlying clinical imaging investigations</p>
7.2 The specific objectives of the discipline	<p>Upon completion of discipline the student will be able to:</p> <ul style="list-style-type: none"> <li>- To define the topographic and clinical regions of the human body</li> <li>- To recognize anatomical structures on the coronal cross sections through the human body parts</li> <li>- To recognize normal anatomic structures on the images obtained from imaging investigations</li> <li>- To work as a team to dissect and identify the vascular, nervous and muscular elements in the head, neck, trunk and walls</li> <li>- Use virtual anatomy for anatomical knowledge improvement</li> <li>- To integrate theoretical and practical knowledge gained in the study of Anatomy with those obtained from other fundamental disciplines and use them as a platform for clinical training;</li> <li>- Communicate clearly, rigorous knowledge gained or results;</li> <li>- Issue hypotheses and verify by experiment</li> <li>- Be open to acquiring moral guidelines, training of professional and civic attitudes that enable students to be fair, honest, non-confrontational, cooperative and understanding in the face of suffering</li> <li>- Learn to recognize when a problem arises and provide responsible solutions to solve them.</li> <li>- To recognize and have respect for diversity and multiculturalism;</li> <li>- Communicate orally and in writing requirements, working methods, results, consult with the team;</li> <li>- To get involved in volunteering, to know the essential problems of the community.</li> <li>- To realize the need for individual study as the basis of personal autonomy and professional development;</li> <li>- The ability to use information and communication technology;</li> <li>- Take initiative to engage in educational activities and scientific discipline</li> </ul>

### 8. CONTENTS

8.1 Course (content units)	Nr. ore
ATS1. Anatomic-clinical regions of the head.	2
ATS2. Anatomic-topographic regions of the head.	2
ATS3. Sectional anatomy of the encephalon.	2
ATS4. Anatomic-clinical and topographic regions of the neck	2
ATS5. Anatomic-clinical and topographic regions of the thoracic wall.	2
ATS6. Topographic anatomy of the thoracic cavity: pleural-pulmonary regions.	2
ATS7. Topographic anatomy of the thoracic cavity: mediastinum.	2

ATS8. Anatomic-clinical and topographic regions of the abdominal wall.	2
ATS9. Topographic anatomy of the abdominal cavity	2
ATS10. Clinical anatomy of the abdomen.	2
ATS11. Anatomic-topographic region of the pelvis.	2
ATS12. Anatomic-clinical and topographic regions of the perineum.	2
ATS13. Anatomic-clinical and topographic regions of the upper limb.	2
ATS14. Anatomic-clinical and topographic regions of the lower limb.	2
<b>BIBLIOGRAPHY</b>	
Courses published on the discipline site Topographic and sectional anatomy – lecture notes, PR Melinte, I Mindrila, 2016 Ion Albu, Radu Georgia, Anatomie Topografică	
<b>8.2 Practical work (topics / themes)</b>	
ATSLP1. The parts of human body; regions, limits, anthropometric points. Topographic and sectional anatomy of the head: parietal regions of the neural level.	2
ATSLP 2. Topographic and sectional anatomy of the head: face level.	2
ATSLP 3. Topographic and sectional anatomy of the neck: regions, limits, layers.	2
ATSLP 4. Topographic and sectional anatomy of the thorax: parietal regions; clinical anatomy of the thoracic wall.	2
ATSLP 5. Visceral regions of the thorax. Intra-thoracic organs' projections on the thoracic wall. Sectional anatomy of the thorax.	2
<b>First evaluation</b>	
ATSLP 6. Topographic and sectional anatomy of the abdomen: parietal regions; clinical anatomy of the abdominal wall.	2
ATSLP 7. Topographic and sectional anatomy of the abdominal cavity: peritoneal space. Visceral abdominal projection on the abdominal wall.	2
ATSLP 8. Topographic anatomy of the extra-peritoneal space. Kidneys, urinary tracts and large vessels projections on the abdominal walls.	2
ATSLP 9. Sectional anatomy of the abdomen.	2
ATSLP 10. Topographic and sectional anatomy of the pelvis. Internal and external pelvimetry.	2
ATSLP 11. Topographic and sectional anatomy of the perineum.	2
ATSLP 12. Topographic and sectional anatomy of the upper limb. Clinical anatomy of the upper limb. Topographic and sectional anatomy of the lower limb. Clinical anatomy of the lower limb.	2
<b>Second evaluation</b>	
<b>BIBLIOGRAPHY</b>	
Practical works published on the discipline site Topographic and sectional anatomy – lecture notes, PR Melinte, I Mindrila, 2016 Ion Albu, Radu Georgia, Anatomie Topografică	

## 9. CORROBORATING THE DISCIPLINE CONTENT WITH THE EXPECTATIONS OF EPISTEMIC COMMUNITY REPRESENTATIVES, PROFESSIONAL ASSOCIATIONS AND EMPLOYEE REPRESENTATIVES RELATING TO THIS PROGRAM

<ul style="list-style-type: none"> <li>▪ Anatomy is a fundamental discipline, mandatory for training of future doctors</li> <li>▪ Knowledge, practical skills and attitudes learned in this discipline provides the basis for the study of pathological processes which will be detailed in other disciplines and forms the basis for understanding and learning of any medical act preventive, diagnostic, curative and rehabilitation</li> </ul>
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## 10. METHODOLOGICAL LANDMARKS

Types of activity*	Teaching Techniques / learning materials and resources: exposition, interactive course, group work, learning through problems / projects
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Course	Are used the following combined methods: explanation, lecture, examining conversation, debate, problem solving
Practical work	Are used the following combined methods: Dissection, prosection, observation method, problem solving, heuristic conversation
Individual study	Written and electronic support that provides the information needed to be known before the course or laboratory

\*In case of special situations (alert states, emergency states, other types of situations that limit the physical presence of the people) the activity can be carried out online using on-line platforms approved by the faculty/university. The online education process will be adapted accordingly to ensure the fulfillment of all the objectives provided in the discipline sheet.

<b>11. RECOVERY PROGRAM</b>					
Absences recoveries	No. absences that can recover	Place of deployment	Period	In charge	Scheduling of topics
	4/sem	Official department location /online*	Last week of the semester Friday 8-14	All teaching staff	Depending on the practical work to be recovered
Schedule consultations / Students' Scientific Circle	4 h/month	Official department location /online*	Friday, 12-13	All teaching staff	The theme of that week
Program for students poorly trained	4 h/month	Official department location /online*	Friday, 13-14	All teaching staff	The theme of that week
<b>12. ASSESMENT</b>					
Activity	Types of assesment		Methos of evaluation		Percentage from final grade
Lecture	Formative assesment through essays, projects and surveys during the semester Summative assesment during the exam		Multiple Choice Questions Answering System (MCQ)/MCQ with the help of the IT platform in the online version.		40%
Practical work	Formative assesment through Multiple Choice Questions Answering System (MCQ) or/and descriptive, projects, survey during the semester. Periodic assesment during the semester Summative assesment during the exam		Multiple Choice Questions Answering System (MCQ) simultaneously with the one from the course / with the help of the video platform in the online version.		40%
Periodic assesment					10%
Assesment of individual activity					10%
Minimum performance standard	At least 50% for each component of the evaluation				
<b>13. GUIDANCE AND COUNSELLING PROGRAMS</b>					
<b>Professional guidance and counselling programs (2 hours/monthly)</b>					
Scheduling the hours			Place of deployment		In charge
Last Friday of each month			Discipline		All teaching staff

Endorsement date in the department: 20.09.2022

Department Director,  
Prof. Ion MÎNDRILĂ

Coordinator of study program,  
Prof. Marius Eugen CIUREA

Discipline holder,  
Prof. Ion MÎNDRILĂ