

DISCIPLINE SHEET**ACADEMIC YEAR****20212 - 2023****1. DATA ABOUT THE STUDY PROGRAM**

1.1 Institution of higher education	UNIVERSITY OF MEDICINE AND PHARMACY OF CRAIOVA
1.2 Faculty	MEDICINE
1.3 Department	3
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	GASTROENETROLOGY THERAPEUTIC AND DIAGNOSTIC TECHNIQUES				
2.2. Discipline code	MED5214.3				
2.3 The holder of course activities	Ungureanu Bogdan Silviu				
2.4 The holder of seminar activities					
2.5. Academic degree	Teaching Assistant				
2.6. Employment (base norm/associate)	Base norm				
2.7. Year of study	V	2.8. Semester	II	2.9. Course type (content) 2.10. Regime of discipline (compulsoriness)	CRD

3. TOTAL ESTIMATED TIME (teaching hours per semester)

3.1 Number of hours per week	1	3.2 From which - course	1	3.3 seminary/laboratory	-
3.4 Total hours in curriculum	14	3.5 From which - course	14	3.6 seminary/laboratory	-
Time found distribution (hours)					
Study by manual, course support, bibliography, and notes					10
Additional documentation in the library, specialized electronic platforms and, on the field					10
Training seminars / labs, homework, reports, portfolios, and essays					10
Tutoring					-
Examinations					2
Other activities, counselling, student circles					4
3.7 Total hours of individual study	36				
3.9 Total hours per semester	50				
3.10 Number of credits	2				

4. PREREQUISITES (where appropriate)

4.1 curriculum	-
4.2 competency	-

5. CONDITIONS (where appropriate)

5.1. of curse deployment	Lecture Hall with projector / online
5.2. of seminary/ lab deployment	-

6. SPECIFIC COMPETENCES ACCRUED

PROFESSIONAL COMPETENCES	<p>C1 – Identifying the disease and choosing the correct diagnosis;</p> <p>C4 – To address the health issues/illness from the perspective of community specifics, directly related to the social, economic, and/or cultural aspects;</p> <p>C5 – Initiate and conduct a scientific research and/or formative activity in his field of competence.</p>
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TRANSVERSAL COMPETENCES	<p>CT1 – Autonomy and responsibility</p> <ul style="list-style-type: none"> 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, available to help people, interested in the community development; to know, respect and contribute to the development of moral values and professional ethics; learn to recognize when a problem arises and provide responsible solutions to solve it. <p>CT2 – Social Interaction:</p> <ul style="list-style-type: none"> recognize and have respect for diversity and multiculturalism; communicate orally and in writing the requirements, working methods, results, consult with the team; get involved in volunteering, to know the essential problems of the community. <p>CT3 – Personal and Professional Development</p> <ul style="list-style-type: none"> to be open to lifelong learning; to appreciate the need for individual study as the basis of personal autonomy and professional development; to exploit their potential within collective activities; to know how to use information and communication technology.
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Acc7. DISCIPLINE OBJECTIVES (based on the grid of specific competences acquired)

7.1 The general objective of the discipline	<p>General objectives:</p> <ul style="list-style-type: none"> Understanding and gaining the necessary knowledge about the types of imaging investigations used in gastroenterology; Acquisition of key concepts related to current endoscopic diagnosis and treatment of major gastroenterological disorders; Knowing the basics in upper endoscopy, lower endoscopy, endoscopic retrograde cholangiopancreatography, enteroscopy, ultrasound, respectively new imaging techniques (autofluorescence, narrow band imaging, I-scan, dual focus, confocal laser endomicroscopy, etc.);
7.2 The specific objectives of the discipline	<p>Specific Objectives:</p> <ul style="list-style-type: none"> Interpret aspects of endoscopy, abdominal ultrasound; Select type of imaging investigation to assess complex gastroenterological diseases. Evaluate new imaging techniques, such as autofluorescence, narrow band imaging, I-scan, dual focus, confocal laser endomicroscopy, etc. Understand the indications and contraindications of complex therapeutic procedures such as endoscopic hemostasis, endoscopic mucosal resection, biliopancreatic drainage, extraction of stones or pancreatic duct stones, etc. Undertake exercises with diagnosis and therapies, with interactive discussions about the possibilities of diagnosis and treatment in gastroenterology. Submit reports with current data about particular cases encountered in practice.

8. CONTENTS

8.1 Course (content units)	Hours
Upper Digestive Endoscopy - Technical and therapeutic principles - Diagnostic role in esophageal pathology - Diagnostic role in gastric diseases	1
Upper Digestive Endoscopy - Diagnostic role in duodenal diseases - Upper digestive endoscopy in emergency situations	1
Lower Digestive Endoscopy - Technical and therapeutic principles - Endoscopic semiology of the bowel	1
Lower Digestive Endoscopy - Endoscopy in inflammatory bowel diseases - Endoscopy in bowel tumors	1
Digestive endoscopic ultrasound - Technical principles - Diagnostic applications in gut pathology	1
Digestive endoscopic ultrasound - Diagnostic role in mediastinal, bilio-pancreatic diseases - Therapeutic applications of endoscopic ultrasound	1
Endoscopic retrograde colangio-pancreatography - Technical principles - Indications of ERCP	1

Endoscopic retrograde colangio-pancreatography - Diagnostic and therapeutic role in biliary diseases - Diagnostic and therapeutic role in pancreatic diseases	1
Abdominal Ultrasound - Semiology aspects - Ultrasound applications in hepatobiliary diseases	1
Abdominal Ultrasound - Ultrasound applications in pancreatic diseases - Abdominal Ultrasound in peritoneal diseases	1
Abdominal Ultrasound - Ultrasound in abdominal emergencies - Ultrasound applications in diseases of the gut	1
Enteroscopy - Technical principles - Indications and applications of enteroscopy	1
New imaging techniques in gastroenterology - Narrow Band Imaging technique - Endomicroscopy - Autofluorescence.	2
BIBLIOGRAPHY Introducere in Endoscopia Digestivă Sub redacția Sergiu Cazacu, Cristin Vere, Adrian Săftoiu, Editura Arves Septembrie 2009 Atlas de Ecoendoscopie Liniară Sub Redacția Adrian Săftoiu, Sergiu Marian Cazacu, Editura Medicală Universitară Craiova 2009 Tehnici Endoscopice Avansate de diagnostic si tratament în Gastroenterologie Sub redacția Adrian Săftoiu, Editura Medicală Universitară Craiova 2022	
8.2 Practical work (topics / themes)	-
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9. CORROBORATING THE DISCIPLINE CONTENT WITH THE EXPECTATIONS OF EPISTEMIC COMMUNITY REPRESENTATIVES, PROFESSIONAL ASSOCIATIONS AND EMPLOYEE REPRESENTATIVES RELATING TO THIS PROGRAM

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10. METHODOLOGICAL LANDMARKS

Types of activity	Teaching Techniques / learning materials and resources: lecture, interactive group work, learning problems / projects etc.
Course	Lecture, heuristic conversation, debate
Practical work	-
Individual study	36 hours for individual study

11. RECOVERY PROGRAM

Absences recoveries	No. absences that can recover	Place of deployment	Period	In charge	Scheduling of topics
	2	Discipline's place	End of semester	Ungureanu Bogdan Silviu	According to the internal schedule
Schedule consultations / Students' Scientific Circle		Discipline's place	Every Monday, 14:00, during the semester	Ungureanu Bogdan Silviu	According to the internal schedule
Program for students poorly trained		Discipline's place	Every Monday, 14:00, during the semester	Ungureanu Bogdan Silviu	According to the internal schedule

12. ASSESSMENT

Activity	Types of assesment	Method of evaluation	Percentage from final grade
Course	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.	100%

Practical work	-	-	-
Periodic checks	-	-	-
Attendance at the course	-	-	-
13. GUIDANCE AND COUNSELLING PROGRAMS			
Professional guidance and counselling programs (2 hours/monthly)			
Scheduling the hours	Place of deployment		In charge
First Monday of the month 13:00	Discipline Place		Ungureanu Bogdan Silviu

Endorsement date in the department: 28.09.2022

**Department Director,
Prof. Cristin VERE**

**Coordinator of study program,
Prof. Marius Eugen CIUREA**

**Discipline holder
Bogdan Silviu UNGUREANU**