

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	MEDICINE
1.3 Department	5
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	EPIDEMIOLOGY				
2.2. Discipline code	MED6204				
2.3 The holder of course activities	Professor Sorin DINESCU, PhD/ Lecturer Ramona VASILE, PhD				
2.4 The holder of seminar activities	Professor Sorin DINESCU PhD/Lecturer Ramona VASILE, PhD				
2.5.Academic degree	Professor lecturer				
2.6. Employment (base norm/associate)	Base norm				
2.7. Year of study	VI	2.8. Semester	II	2.9. Course type (content) 2.10. Regime of discipline (compulsoriness)	CDD

3. TOTAL ESTIMATED TIME (teaching hours per semester)

3.1 Number of hours per week	2	3.2 From which - course	1	3.3 seminary/laboratory	1
3.4 Total hours in curriculum	28	3.5 From which - course	14	3.6 seminary/laboratory	14
Time found distribution (hours)					
Study by manual, course support, bibliography, and notes					14
Additional documentation in the library, specialized electronic platforms and, on the field					4
Training seminars / labs, homework, reports, portfolios, and essays					2
Tutoring					
Examinations					1
Other activities, counselling, student circles					1
3.7 Total hours of individual study	22				
3.9 Total hours per semester	50				
3.10 Number of credits	2				

4. PREREQUISITES (where appropriate)

4.1 curriculum	The course will be held in the same semester with discipline of Infectious Diseases
4.2 competency	Not necessary

5. CONDITIONS (where appropriate)

5.1. of course deployment	Lecture Hall with projector / online
5.2. of seminary/ lab deployment	Lab hall with projector / online

6. SPECIFIC COMPETENCES ACCRUED

PROFESSIONAL COMPETENCES	<ul style="list-style-type: none"> • C1 - Identify the disease condition and to establish the correct diagnosis of the condition (disease). • C3 - To properly assess the risk of illness or context of the emergence of diseases at individual or collective level, to choose and to apply appropriate prevention measures; • C4 - To address the problems of health / disease from the perspective of community peculiarities in direct relationship with the social, economic and / or cultural their community. • C5 - to initiate and conduct a scientific research and / or formatted in its field of competence • C6 - To perform in terms of efficiency and effectiveness of managerial tasks imposed by certain professional roles
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TRANSVERSAL COMPETENCES	<p>CT1. Autonomy and responsibility; CT2. Social Interaction; CT3. Personal and professional development</p>
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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 the necessary knowledge about the epidemiological Acquiring basic concepts about the prevention and control of infectious diseases; Acquisition of knowledge about prevention and control of major infectious diseases;</p>
7.2 The specific objectives of the discipline	<p>At the end of the course the student will be able to:</p> <ul style="list-style-type: none"> - Establish an epidemiological investigation - Know, distinguish and apply appropriate means of decontamination, disinfection and sterilization - Recommend indications for immunoprophylaxis and utilize a vaccination program - Apply a plan of preventive and combative measures for major infectious diseases - Apply rules to prevent and control nosocomial infections,

8. CONTENTS

8.1 Course (content units)	Hour(s)
1. Definition, content stages of epidemiology development	1
2. Definition and overall structure of epidemiological process - sources of pathogens - measures to combat sources - ways of transmission of pathogens - measures to prevent and combat the ways of transmission - population receptivity responsiveness, stability, strength, immunity. The facilitating factors of the epidemiological process	1
3. Manifestation forms of the epidemiological process - sporadic, endemic, epidemic and pandemic / associated forms	1
4. Epidemiological Surveillance of communicable diseases	1
5. Prevention and Follow	1
6. Epidemiology, prevention and fighting in the outbreak in major infectious diseases:	
Respiratory tract gateway: Infections with group A beta-hemolytic streptococci, meningococcal meningitis, influenza and other viral respiratory infections, convulsive cough, eruptive diseases, mumps, diphtheria,:	3
Usual digestive tract gateway: Poliomyelitis, acute viral hepatitis, salmonellosis, typhoid, dysentery, cholera, food poisoning, botulism, trichinosis	2
Skin and mucous membranes dominant gateway: anthrax, rabies, tetanus, leptospirosis, Rickettiosis, human immunodeficiency virus (AIDS), malaria	2
Healthcare associated infection	2
BIBLIOGRAPHY	
1. Melinte V., Dinescu S., Epidemiologie, Editura Medicala Universitara Craiova, Craiova, 2002; ISBN 973-8354-13-17, (la biblioteca).	
2. Metode epidemiologice pentru practica de asistență medicală / coord.: Brumboiu Maria Irina ; autori: Tzaneva Valentina, Dinescu Sorin Nicolae, Hătu Giorgiana Cluj-Napoca : Editura Medicală Universitară "Iuliu Hațieganu", 2014; ISBN 978-973-693-593-0;	
3. Course Notes. (at the discipline)	
4. D.Kasper, A. Fauci: Harrison's Infection Disease, 3-edition, 2017	
5. P.Webb, C.Bain and A.Page:Essential Epidemiology-an introduction for students and health professionals-fourth edition, Cambridge University Press; 2020, ISBN 1108766803	
8.2 Practical work (topics / themes)	
1. Preventive and anti-epidemic activity. Epidemiological investigation	2
2. Decontamination, disinfection, sterilization	2
3. Active artificial Immunoprophylaxis	1
4. Passive artificial Immunoprophylaxis	1
5. Hand hygiene	2
6. Plan of measures in the outbreak of epidemic diseases with respiratory gateway	2

7. Plan of measures in the anti-epidemic outbreak of communicable diseases digestive gateway	2
8. Healthcare associated infection; Universal precautions, rules for the prevention and control of healthcare associated infection	2
BIBLIOGRAPHY	
<ol style="list-style-type: none"> Melinte V., Dinescu S., Epidemiologie, Editura Medicala Universitara Craiova, Craiova, 2002; ISBN 973-8354-13-17, (la biblioteca). Metode epidemiologice pentru practica de asistență medicală / coord.: Brumboiu Maria Irina ; autori: Tzaneva Valentina, Dinescu Sorin Nicolae, Hătu Giorgiana Cluj-Napoca : Editura Medicală Universitară "Iuliu Hațieganu", 2014; ISBN 978-973-693-593-0; Notes practical work. (at the discipline) D.Kasper, A. Fauci: Harrison's Infection Disease, 3-edition, 2017 P.Webb, C.Bain and A.Page:Essential Epidemiology-an introduction for students and health professionals-fourth edition, Cambridge University Press; 2020, ISBN 1108766803 	

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

- The discipline is mandatory and necessary for a student to become a medical doctor

10. METHODOLOGICAL LANDMARKS

Types of activity	Teaching Techniques / learning materials and resources:
Course	Lectures, heuristic conversations, debates, problem solving
Practical work	Practical applications, problem solving, heuristic conversation
Individual study	Bedside learning, observation, case study
	In case of special situation (states alert, emergency states alert, other types of situations that limit the physical presence of people, activity can be carried out online using science computer platforms, approved by the faculty or university. Online education process ensure all the objectives provided in the discipline sheet

11. RECOVERY PROGRAM

Absences recoveries	No. absences that can recover	Place of deployment	Period	In charge	Scheduling of topics
	2	Discipline place Corp A'	At the end of semester	Teaching assistant	According to the internal schedule
Schedule consultations / Students' Scientific Circle	2 hrs/week/	Discipline place Corp A'	Each Tuesday at 1 pm during the semester	All teaching assistants	Theme from previous week
Program for students poorly trained	2 hrs/week	Discipline place Corp A'	Each Thursday at 2 pm during the semester	All teaching assistants	According to the situation of each student Theme from previous week

12. ASSESSMENT

Activity	Types of assesment	Method of evaluation	Percentage from final grade
Lecture	Formative assesment 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.	60%
Practical work	Formative assesment 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			-
Assesment of individual activities			-
Minimum performance standard			At least 50% for each component of the

		evaluation
13. GUIDANCE AND COUNSELLING PROGRAMS		
Professional guidance and counselling programs (2 hours/monthly)		
Scheduling the hours	Location	In charge
First Wednesday of the month at 1 pm	Discipline office, Room 720; Corp A'/online	Prof. holders

Endorsement date in the department: 27.09.2022

**Department Director,
Assoc.Prof. Kamal Kamal Constantin**

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

**Discipline holder,
Prof. Sorin DINESCU**