

MEDICINE AND SOCIETY

SIXTH YEAR OF STUDIES

school 2023/2024.

Course unit:

HYGIENE AND ECOLOGY

The course is evaluated with 6 ECTS. There are 6 hours of active classes per week (4 hours of lectures and 2 hours of work in a small group).

Teachers::

No	Name	Email	Title
1.	Prof. dr Nela Đonović	ndjonovic@medf.kg.ac.rs	Full професор
2.	Doc. dr Marija Sekulić	msekulic82@gmail.com	Assistant professor
3.	Doc. dr Dalibor Stajić	stajicdalibor@yahoo.com	Assistant professor
4.	dr Nikoleta Janićijević	nikoleta.janicijevic@gmail.com	facilitator

COURSE STRUCTURE:

Module	Name of module	week	Weekly lectures	Work in a small group per week	Teacher-head of the module
1	Communal hygiene, ecology, ecotoxicology	4	4	2	Prof. Dr Nela Đonović Doc. dr Marija Sekulić
2	Nutrition	7	4	2	Prof. Dr Nela Đonović Doc. dr Marija Sekulić Doc. dr Dalibor Stajić
3	School hygiene, occupation hygiene, mental hygiene, sanitary hygiene, hygiene in emergency situations, general hygiene	4	4	2	Prof. Dr Nela Đonović Doc. dr Dalibor Stajić
Σ60+30=90					

ASSESSMENT:

The student masters the course by modules. The grade is equivalent to the number of points earned (see tables). Points are earned in three ways:

ACTIVITY DURING THE LESSON: In this way, the student can earn up to 15 points by answering 2 exam questions from that week of class in the last class of work in a small group and, in accordance with the demonstrated knowledge, earns a total of 0 - 1 points.

			Maximal poents	
	MODUL	Activity during classes		
1	Communal hygiene, ecology, ecotoxicology	4		4
2	Nutrition	7		7
3	School hygiene, occupation hygiene, mental hygiene, sanitary hygiene, hygiene in emergency situations, general hygiene	4		4
4	Colloquiums			20
5	Oral exam			65
	Σ	15		100

COLLOQUIUMS: In this way, the student can gain up to 20 points.

CONSULTATIVE TEACHING: Consultations are held every week on Fridays from 12:00 to 2:00 p.m. and can be scheduled with the head of the course, prof. dr. Nela Đonović (ndjonovic@medf.kg.ac.rs)

The final grade is formed as follows:

In order to pass the course, the student have to obtain a minimum of 51 points and pass all modules. To pass the module, the student must:

- 1. obtains more than 50% points in that module
- 2. acquires more than 50% of the points provided for the activity in class in each module
- 3. pass the module test, have more than 50% correct answers.

Total number of points	Description	grade
0 - 50	Not passed	5
51 - 60	Six	6
61 - 70	Seven	7
71 - 80	Eight	8
81 - 90	Nine	9
91 - 100	Ten	10

LITERATURE:

Modules	the name of the textbook	authors	publisher	library
1,2,3	 Oxford Textbook of Global Public Health Oxford: Preventing disease through healthy environments: a global assessment of the burdenof disease from environmental risks. Geneva: Guidelines for drinking – water quality. 3 rd ed. Geneva: WHO. Monitoring ambient air quality for health impact assessment. Copenhagen: WHO Regional Publications, European Series, No. 85; 2003. Hand Hygiene. WHO guidelines on hand hygiene in health care. Geneva: Diet, nutrition and the prevention of chronic disease. Geneva: Burden of disease from environmental noise. Quantification of healthy life years lost in Europe. Geneva: Promoting mental health: concepts, emerging evidence, practice : summary report / a report from the World Health Organization, Department of Mental Health and Substance Abuse in collaboration with the Victorian Health Promotion Foundation and the University of Melbourne. Geneva:. 	Detels R, Karim QA, Baum F, Li L, Leyland A. WHO WHO WHO WHO WHO WHO WHO WHO	Oxford University Press; 2009. World Health Organization; 2016. World Health Organization, 2011. WHO; 2009. WHO Technical Report Series 916; 2003. World Health Organization; 2011. World Health Organization; 2004	

All lectures are available on the website of the Faculty of Medical Sciences: www.medf.kg.ac.rs

PROGRAM:

FIRST MODULE: HYGIENE, ECOLOGY, ECOTOXICOLOGY

TEACHING UNIT 1 (FIRST WEEK):

Introduction to hygiene, atmosphere, influence on health:		
lectures 4 hours	exercises 2 hours	
Introduction to ecology; Atmosphere – impact on health;	• Introduction to ecology – practical aspects; Atmosphere – impact on health – practical aspects;	

TEACHING UNIT 2 (SECOND WEEK):

Climate, microclimate, noise, vibrations, radiation – impact on health		
lectures 4 hours	exercises 2 hours	
• Climate, microclimate, noise, vibrations, radiation – impact on health;	• Climate, microclimate, noise, vibrations, radiation - impact on health – practical aspects;	

TEACHING UNIT 3 (III WEEK):

Drinking water – impact on health; Waste materials – impact on health		
lectures 4 hours	exercises 2 hours	
• Drinking water – impact on health; Waste materials – impact on health; Soil	 Drinking water – impact on health – practical aspects; Waste materials – impact on health – practical aspects; Soil – practical aspects; 	

TEACHING UNIT 4 (IV WEEK):

Ecotoxicology; Environmental poisoning	
lectures 4 hours	exercises 2 hours
Ecotoxicology; Environmental poisoning	• Ecotoxicology – practical aspects; Environmental poisoning – practical aspects;

SECOND MODULE: NUTRITION

TEACHING UNIT 5 (V WEEK):

Food hygiene: introduction and nutrition, foodstuffs, macronutrients
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lectures 4 hours	exercises 2 hours
 Food hygiene: introduction and nutrition, foodstuffs, macronutrients 	• Food hygiene: introduction and nutrition, foodstuffs, proper nutrition – practical aspects

TEACHING UNIT 6 (VI WEEK):

Nutrients, Micronutrients-vitamins, Water in the diet.

lectures 4 hours	exercises 2 hours
NutrientsMicronutrients-vitaminsWater in the diet	 Određivanje mikronutritijenata u hrani Određivanje kvantitativnog i kvalitativnog sastava hrane.

TEACHING UNIT 7 (VII WEEK):

Mineral substances Diet products				
lectures 4 hours	exercises 2 hours			
Mineral substancesDiet products	Mineral substances- practical aspectsDiet products- practical aspects			

TEACHING UNIT 8 (VIIIWEEK):

Examination of nutrition and nutritional status;			
lectures 4 hours exercises 2 hours			
 Examination of nutrition and nutritional status; Malnutrition diseases; Obesity 	• Examination of nutrition and nutritional status – practical aspects; Malnutrition diseases – practical aspects; Obesity – practical aspects;		

TEACHING UNIT 9 (IX WEEK):

Proper nutrition				
lectures 4 hours	exercises 2 hours			
Proper nutrition;Energy needs and energy expenditure of people	• Proper nutrition; energy needs and energy expenditure of people- practical aspects			

TEACHING UNIT 10 (X WEEK):

Diet prophylaxis and Diet therapy			
lectures 4 hours	exercises 2 hours		
• Diet prophylaxis and Diet therapy;	• Diet prophylaxis and Diet therapy- practical aspects.		

TEACHING UNIT 11 (XI WEEK):

Health food safety; Quality systems; Food contamination		
lectures 4 hours	exercises 2 hours	
Health food safety;Quality systems;Food contamination;	• Health food safety – practical aspects; Quality systems – practical aspects; Food contamination – practical aspects;	

THIRD MODULE: GROWTH AND DEVELOPMENT HYGIENE, SCHOOL HYGIENE, WORK HYGIENE, SPORTS AND PHYSICAL ACTIVITY HYGIENE, MENTAL HYGIENE, SANITARY HYGIENE, HYGIENE IN EMERGENCY SITUATIONS, GENERAL HYGIENE

TEACHING UNIT 12 (XII WEEK):

Growth and development hygiene; School hygiene; work-occupation hygiene				
lectures 4 hours	exercises 2 hours			
• Growth and development hygiene; School hygiene; work-occupation hygiene	• Growth and development hygiene – practical aspects; School hygiene – practical aspects; work-occupation hygiene			

TEACHING UNIT 13 (XIII WEEK):

Sports and physical activity hygiene, Mental hygiene ,Stress prevention, Prevention of addiction

lectures 4 hours	exercises 2 hours
 Sports and physical activity hygiene Mental hygiene Stress prevention Prevention of addiction 	• Sports and physical activity hygiene – practical aspects; Personal hygiene – practical aspects; Mental hygiene – practical aspects; Stress prevention – practical aspects; Prevention of addiction- practical aspects

TEACHING UNIT 14 (XIV WEEK):

Hospital infection prevention; Sanitary hygiene; Personal hygiene			
lectures 4 hours	exercises 2 hours		
Hospital infection prevention;Sanitary hygiene;Personal hygiene	• Hospital infection prevention – practical aspects; Sanitary hygiene – practical aspects; Personal hygiene- practical aspects;		

TEACHING UNIT 15 (XV WEEK):

Hygiene in emergency situations; Living and working environment – assessment of the impact on health			
lectures 4 hours	exercises 2 hours		
 Hygiene in emergency situations; Living and working environment – assessment of the impact on health. 	• Hygiene in emergency situations – practical ascepts; Living and working environment - assessment of the impact on health – practical aspects.		

WEEKLY COURSE SCHEDULE

COURSE	TUESDAY
HYGIENE AND ECOLOGY (4+2)	LECTURES 14:00-17:15 (H44) PRACTICE 17:30-19:00 (H44)

modul	Week	Туре	Name of lesson	Teachers
	Introduction to hygiene, atmosphere, influence on health	Prof. dr Nela Đonović		
1	1	L		Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
			Introduction to hygiene, atmosphere, influence on health	Prof. dr Nela Đonović
1	1	S		Doc. dr Marija Sekulić
1	1	3		Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
			Climate, microclimate, noise, vibrations, radiation – impact on health	Doc. dr Dalibor Stajić
1	2	L		Doc. dr Marija Sekulić
				Prof. dr Nela Đonović
	Climate, microclimate, noise, vibrations, radiation – impact on hea	Climate, microclimate, noise, vibrations, radiation – impact on health	Prof. dr Nela Đonović	
1	2	S		Doc. dr Marija Sekulić
1	2	3		Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
			Drinking water – impact on health; Waste materials – impact on health	Doc. dr Dalibor Stajić
1	3	L		Doc. dr Marija Sekulić
				Prof. dr Nela Đonović
	1 3 S	Drinking water – impact on health; Waste materials – impact on health	Prof. dr Nela Đonović	
1			Doc. dr Marija Sekulić	
1	5	3		Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
			Ecotoxicology; Environmental poisoning	Doc. dr Marija Sekulić
1	4	L		Doc. dr Dalibor Stajić
				Prof. dr Nela Đonović
			Ecotoxicology; Environmental poisoning	Prof. dr Nela Đonović
1	4	4 S		Doc. dr Marija Sekulić
1	4	6		Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević

modul	Week	Туре	Name of lesson	Teachers
			Food hygiene: introduction and nutrition, foodstuffs, macronutrients	Prof. Dr Nela Đonović
2	5	L		Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
			Food hygiene: introduction and nutrition, foodstuffs, macronutrients	Prof. dr Nela Đonović
2	5	S		Doc. dr Marija Sekulić
2	5			Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
			Nutrients, Micronutrients-vitamins, Water in the diet.	Doc. dr Dalibor Stajić
2	6	L		Doc. dr Marija Sekulić
				Prof. dr Nela Đonović
			Nutrients, Micronutrients-vitamins, Water in the diet.	Prof. dr Nela Đonović
2	6	S		Doc. dr Marija Sekulić
2	0			Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
			Mineral substances Diet products	Doc. dr Marija Sekulić
2	7	L		Prof. Dr Nela Đonović
				Doc. dr Dalibor Stajić
			Mineral substances Diet products	Prof. Dr Nela Đonović
2	7	S		Doc. dr Marija Sekulić
2	/			Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
			Examination of nutrition and nutritional status;	Doc.dr Dalibor Stajić
2	8	L		Prof. Dr Nela Đonović
				Doc. dr Marija Sekulić
			Examination of nutrition and nutritional status;	Prof. dr Nela Đonović
2	8	S		Doc. dr Marija Sekulić
۷	0	B		Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević

modul	Week	Туре	Name of lesson	Teachers
2	9	L	Proper nutrition	Prof. Dr Nela Đonović
				Doc.dr Dalibor Stajić
				Doc. dr Marija Sekulić
2	9	S	Proper nutrition	Prof. dr Nela Đonović
				Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
2	10	L	Diet prophylaxis and Diet therapy	Prof. Dr Nela Đonović
				Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
2	10	s	Diet prophylaxis and Diet therapy	Prof. dr Nela Đonović
				Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
	11	L	Health food safety; Quality systems; Food contamination	Doc. dr Marija Sekulić
3				Doc. dr Dalibor Stajić
				Prof. dr Nela Đonović
3	11	s	Health food safety; Quality systems; Food contamination	Prof. dr Nela Đonović
				Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
	12	L	Growth and development hygiene; School hygiene; work-occupation hygiene	Doc. dr Marija Sekulić
3				Doc. dr Dalibor Stajić
				Prof. dr Nela Đonović
	12	S	Growth and development hygiene; School hygiene; work-occupation hygiene	Prof. dr Nela Đonović
3				Doc. dr Marija Sekulić
3				Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević

modul	Week	Туре	Name of lesson	Teachers
			Sports and physical activity hygiene, Mental hygiene ,Stress prevention,	Doc.dr Dalibor Stajić
3	13	L	Prevention of addiction	Doc. dr Marija Sekulić
<u> </u>				Prof. dr Nela Đonović
	13	S	Sports and physical activity hygiene, Mental hygiene ,Stress prevention, Prevention of addiction	Prof. dr Nela Đonović
3				Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
3	14	L	Hospital infection prevention; Sanitary hygiene; Personal hygiene	Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
				Prof. dr Nela Đonović
				Doc. dr Marija Sekulić
3	14	S	Hospital infection prevention; Sanitary hygiene; Personal hygiene	Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
3	15	L	Hygiene in emergency situations; Living and working environment – assessment of the impact on health	Prof. Dr Nela Đonović
				Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
3	15	s	Hygiene in emergency situations; Living and working environment – assessment of the impact on health	Prof. dr Nela Đonović
				Doc. dr Marija Sekulić
				Doc. dr Dalibor Stajić
				dr Nikoleta Janićijević
		Ι	COLLOQUIUM	
		Ι	EXAM (JANUARY-FEBRUARY TERM)	