



CLINICAL LABORATORY SCIENTIST MSc

Course name	Theory	Practice	Clin./ Field practice	Credit	Semester	Exam type	Pre-requisites	Paralel requests
Clinical research I.	28			2	I.	term exam		
Biostatistics	20			2	I.	term exam		Biostatistics practical
Biostatistics practical		28		2	I.	practical course grade		Biostatistics
Pathobiochemistry I.	28			2	I.	term exam		
Principles of epidemiology	20			2	I.	term exam		Principles of epidemiology practical
Principles of epidemiology practical		28		2	I.	practical course grade		Principles of epidemiology
The modern methods of protein research	28			2	I.	term exam		The modern methods of protein research practical
The modern methods of protein research practical			36	3	I.	practical course grade		The modern methods of protein research
Scientific literary and databases search		14		2	I.	practical course grade		
The modern methods of molecular genetics and genomics	28			2	I.	term exam		The modern methods of molecular genetics and genomics practical
The modern methods of molecular genetics and genomics practical			36	2	I.	practical course grade		The modern methods of molecular genetics and genomics
Laboratory diagnostics I.	20			2	I.	term exam		
Safety technology	7			1	I.	practical course grade		
Clinical toxicology	14			1	I.	term exam		
Biomarkers in clinical diagnostics	14			1	I.	term exam		
Practical management	28			3	II.	term exam		
Immunological methods in clinical research	28			2	II.	term exam	The modern methods of protein research practical	
Cell biology, cell physiological analyzing methods (theoretical, practical) I.		40		2	II.	practical course grade	The modern methods of protein research practical	
Pathobiochemistry II.	28			2	II.	term exam	Pathobiochemistry I.	
Medicine based on evidence	20			2	II.	term exam		
Academic publications, journal peer review		20		2	II.	practical course grade	Biostatistics, Biostatistics practical	
Modern morphological analyzing methods			60	4	II.	practical course grade	1 out of 3 available	
Immunological methods in clinical research practical			60	4	II.	practical course grade		
Methods used in pharmacological research			60	4	II.	practical course grade		
Clinical pharmacology	20			2	II.	term exam		
Clinical genetics	20			2	II.	term exam	The modern methods of molecular genetics and genomics, The modern methods of molecular genetics and genomics practical	
Product orientated medicine and diagnostic research	14			2	II.	term exam	Clinical research I.	
Clinical case studies	18			2	II.	term exam		Pathobiochemistry II.
Bioethics and legal knowledge	20			2	II.	term exam		
Pathobiochemistry comprehensive exam				0	II.	comprehensive exam		
Neurobiology	14			2	II.	term exam		
Clinical research II.	28			2	III.	term exam	Clinical research I.	Clinical research II. practical
Clinical research II. practical		20		2	III.	practical course grade	Clinical research I.	Clinical research II.
Clinical research III. (Focused areas in clinical research)	20			2	III.	term exam	Clinical research I.	
Laboratory diagnostics II.			20	3	III.	practical course grade		
Analyzing methods of carbohydrate	14			2	III.	term exam		
Research laboratory or epidemiological professional practice			150	10	III.	practical course grade	Pathobiochemistry comprehensive exam	
Diploma thesis project I. (research methodology, presentation making)		20		3	III.	practical course grade	Biostatistics, Biostatistics practical	
Diploma thesis project II. (research)			60	3	III.	practical course grade		
Diploma thesis project III. (experimental work)			50	3	III.	practical course grade	Pathobiochemistry comprehensive exam	
Diploma thesis project IV. (processing and discussing results, consultation)		20		3	III.	practical course grade	Pathobiochemistry comprehensive exam	