
		<b>UNIVERSITY OF EAST SARAJEVO</b>					
		Faculty of Medicine in					
		<b>Study program: medicine</b>					
		Integrated academic studies		VI study year			
<b>Full subject title</b>		Clinical pharmacology					
<b>Department</b>		Department of pharmacology, toxicology and clinical pharmacology, Faculty of Medicine Foca					
<b>Subject code</b>		<b>Subject status</b>		<b>Semester</b>		<b>ECTS</b>	
ME-02-1-060-11		compulsory		XI		2	
<b>Professor/-s</b>		Professor Dragana Sokolovic ; professor Dragana Drakul					
<b>Associate/-s</b>		Assist. Milica Radanovic					
<b>Number of lectures/ teaching workload (per week)</b>			<b>Individual student workload (in hours per semester)</b>			<b>Coefficient of student workload S<sub>0</sub><sup>1</sup></b>	
<b>E</b>	<b>SP</b>	<b>L</b>	<b>E</b>	<b>SP</b>	<b>S<sub>0</sub></b>	<b>S<sub>0</sub></b>	
2	1	0	2*15*0,3	1*15*0,3	0*15*0,3	0,3	
Total teaching workload (in hours, per semester) 2*15 + 1*15 + 0*15 = 45			Total student workload (in hours, per semester) 2*15*0,3 + 1*15*0,3 + 0*15*0,3 = 15				
Total subject workload (teaching + student): 45 + 15 = 60 hours per semester							
<b>Teaching outcomes</b>		<ol style="list-style-type: none"><li>Getting acquainted with the subject structure, history, basic definitions and the status of clinical pharmacology in medicine and national drug policy.</li><li>Mastering the subject, the student will acquire basic knowledge of application of clinical and pharmacological principles in therapy, as well as in monitoring, registration and annotations of drug side effects.</li><li>Student will be able to follow and participate in the introduction of new drugs, that is in preclinical and clinical testing of new drugs.</li><li>Student will be able to understand the meaning of pharmacovigilance, pharmacoeconomics, pharmacoepidemiology, clinical pharmacokinetics and pharmacogenetics. Furthermore, they will acquire knowledge of emergency treatment characteristics.</li></ol>					
<b>General competences</b>		They possess broad fundamentals of theoretical knowledge and practical skills, preparing them for any type of postgraduate education as well as for collaboration with other medical professionals. They have adopted attitudes concerning medical ethics. They are prepared for further development and advances within the field of medicine. They are capable of making appropriate therapeutic decisions. They are acquainted with methodology of scientific research. They are capable of acting in accordance with rational and scientific concepts and principles.					
<b>Preconditions</b>		Precondition for taking the exam: all year 5 exams passed					
<b>Teaching methods</b>		Lectures, exercises, seminars					
<b>Subject content per weeks</b>		<b>Lectures:</b> <ol style="list-style-type: none"><li>Introducing new drugs: Preclinical testing of new drugs;</li><li>Clinical trials: Basic methodology and importance. Types of clinical trials.</li><li>Phases of clinical trials. The placebo effect. Study design. Organization of work at a research location.</li><li>Basic principles of good clinical practice. The Helsinki declaration. The role of a researcher in clinical trials of new drugs. The role of ethics committee. The role of sponsors. The role of contract research organization. Standard operating procedures for all of the participants in clinical trials.</li><li>Pharmacoeconomics.</li><li>Types of pharmacoeconomic analyses.</li></ol>					

<sup>1</sup>The coefficient of student workload S<sub>0</sub> is calculated as it follows:

a) for the study programs not going through the licensing process: S<sub>0</sub> = (total workload in semester for all of the subjects 900 hrs – total teaching workload L+E in semester for all of the subjects 870 hrs)/ total teaching workload L+E in semester for all of the subjects \_\_\_\_ hrs = \_\_\_\_\_. Consult form content and its explanation.  
b) for the study programs going through the licensing process, it is necessary to use form content and its explanation.

