
	UNIVERSITY OF BANJA LUKA FACULTY OF MEDICINE			
	UNDERGRADUATE STUDIES			
	Study Programme of	MEDICINE		
Course Unit Name	Contemporary Approaches in Diabetes Diagnosis and Treatment			
Type of Course Unit	Applied Professional			
Course Unit Code	Course Unit Status	Semester	Class Workload	Number of ECTS
ISM22CTDTD	ELECTIVE	VIII	1L+1P	2
Members of Staff	Prof. Dr. Snježana Popović-Pejičić, Assist. Prof. Dr. Gabrijela Malešević, Assistant Dr. Sci. Valentina Soldat Stanković, Assist. Prof. Dr. Ivona Risović, Assist. Prof. Dr. Bojana Carić			
Eligibility Requirements		Form of Requirements		
All third-year examinations passed		In accordance with the Rules of Study for the first cycle of studies		
Goals of the Course Unit				
<p>The aim of the course <i>Contemporary Approaches to the Diagnosis and Treatment of Diabetes Mellitus</i> is to familiarize students with the pathogenetic basis of diabetes mellitus, its clinical symptomatology, diagnostic procedures, and modern principles of treatment.</p> <p>The overall course syllabus is designed to provide physicians with the fundamental knowledge of diagnosing and treating patients with diabetes mellitus required in their everyday clinical practice.</p>				
Learning Outcomes (knowledge acquired):				
<p>Students will acquire the necessary knowledge and become familiar with the main diagnostic features, clinical manifestations, and treatment of diabetes mellitus most commonly encountered in everyday clinical practice. Based on this knowledge, they will develop the ability to establish a diagnosis, plan the screening of complications, and prescribe appropriate therapy.</p> <p>Students will be trained for both individual and team-based work in the application of diagnostic and therapeutic algorithms in diabetes mellitus, as well as for scientific research in the field of diabetology.</p> <p>After acquiring up-to-date theoretical knowledge and practical skills in the course <i>Contemporary Approaches to the Diagnosis and Treatment of Diabetes Mellitus</i>, students will achieve an adequate level of competence, along with the necessary independence and responsibility, which will be assessed through an oral examination.</p>				
Contents of the Course Unit:				
<ol style="list-style-type: none"> 1. Pathogenetic basis of type 1 and type 2 diabetes mellitus 2. Clinical symptomatology of diabetes mellitus 3. Diagnosis and screening of chronic complications 4. Contemporary treatment of patients with diabetes mellitus 				
Teaching Methods:				
The course is delivered in the form of lectures, practical exercises, seminars, consultations, and independent student work.				
Literature:				
<ol style="list-style-type: none"> 1. Materials from lectures. 2. Davidson's Principles and Practice of Medicine, 24th Edition, (Chapter Diabetes mellitus), ADA Standards of care 2026 				
Examination Form:				
Pre-Exam Duties		Final Exam	Total Points	
Attendance	10	Oral / Written	50	100
Midterms (2)				
Seminar paper	40			
Note for the Course Unit:				
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Syllabus Designer: Prof. Dr. Snježana Popović-Pejičić				