

Name of the course	Introduction to Intensive Care Medicine			Code	
Type of study program Cycle	Integrated university study program, Medicine			Year of study	V/VI
Credits (ECTS):	1.5	Semester:	XII	Number of hours per semester (l+e+s)	8 + 10 + 7
Status of the course:	Elective	Preconditions:	Passed 5 th year exams	Comparative conditions:	/
Access to course:	Fifth and sixth year students			Hours of instructions:	According to schedule
Course teacher:		Assist. Prof. Mirko Mihalj, MD, PhD			
Consultations:		As agreed with students			
E-mail address and phone number:		Mirko.mihalj@mef.sum.ba +38763694351			
Associate teachers		Assistants			
Consultations:		As agreed with students			
E-mail address and phone number:					
The aims of the course:	The aims of the course are: to teach students about basic concepts, procedures and specific characteristics of patients in Intensive Care Unit (ICU)				
Learning outcomes (general and specific competences):	<ul style="list-style-type: none">• Describing interventional and diagnostic procedures in ICU• Explaining basic principles of therapeutic options specific to ICU• Describing and explaining some of the health disorders most common to ICU				
Course content (Syllabus):	The course consists of lectures and exercises during period of 3 days				
Format of instruction (mark in bold)	Lectures	Exercises (practicals)	Seminars	Independent assignments	
	Consultations	Work with mentor	Field work	Other	
Student responsibilities	Class Attendance, excused absences may not exceed 20% of the class meetings.				
Screening student work (mark in bold)	Class attendance	Class participations	Seminar essay	Practical training	
	Oral exam	Written exam	Continuous assessment	Essay	
Detailed evaluation within a European system of points					
STUDENTS RESPONSIBILITIES	HOURS		PROPORTIONS OF ECTS CREDITS		PROPORTIONS OF GRADE
Attending classes	25		0.8		
Seminar paper	10		0.35		
Written exam	10		0.35		100%
Total	45		1.5		100%
Further clarification:					
Final score: The final grade is descriptive, pass/fail. After completing the seminar work and the written exam, student will pass the course.					
Required literature:	1. Joseph E. Parrillo, Critical Care Medicine: Principles of Diagnosis and Management in the Adult, 5th Edition 2. Handouts and teaching materials				
Optional literature:					
Additional information about the course					

Annexes: calendar classes

<i>The number of teaching units</i>	TOPICS AND LITERATURE
I.	Title: Procedures in ICU
	Short description: Familiarisation with the most common diagnostic and therapeutic procedures in the ICU
	Literature: Required and optional
II.	Title: Focused ultrasonography in the ICU
	Short description: Familiarisation with focused US examination in ICU (POCUS, FAST)
	Literature: Required and optional
III.	Title: General principles of Mechanical Ventilation
	Short description: Familiarisation with general principles of mechanical ventilation in ICU
	Literature: Required and optional
IV.	Title: Acute Kidney Injury and general principles of Renal Replacement Therapy in ICU
	Short description: Familiarisation with Acute Kidney Injury (epidemiology, etiology, treatment options) and general principles of Renal Replacement Therapy in ICU
	Literature: Required and optional
V.	Title: Acid-base disorders
	Short description: Familiarisation with acid-base disorders (respiratory/metabolic acidosis and alkalosis) and treatment options
	Literature: Required and optional
VI.	Title: Acute respiratory failure
	Short description: Familiarisation with Acute respiratory failure and treatment options in the ICU
	Literature: Required and optional
VII.	Title: Nosocomial infections in the ICU
	Short description: Familiarisation with etiology and epidemiology of nosocomial infections in ICU and their effects on patients' morbidity and mortality in ICU
	Literature: Required and optional
VIII.	Title: What is it like to be a patient in the Intensive Care Unit?
	Short description: Lecture about the experience of patients in the ICU (their perspective)
	Literature: Required and optional
IX.	Title:
	Short description:
	Literature:
X.	Title:
	Short description:
	Literature:
XI.	Title:
	Short description:
	Literature:
XII.	Title:
	Short description:
	Literature:
XIII.	Title:
	Short description:
	Literature: