

University of Mostar/Sveučilište u Mostaru

School of Medicine/Medicinski fakultet

Department for Anesthesiology, Reanimatology and Intensive Medicine/Katedra za anesteziju, reanimaciju i intenzivnu medicinu

Head of Department/Predstojnik katedre: Assistant Professor Zoran Karlović, MD, PhD

Introduction to Intensive Care Medicine course

Course teacher/Voditelj kolegija: Assistant Professor Mirko Mihalj, MD, PhD

Lecture schedule:

### Introduction to Intensive Care Medicine

Day	Timing	Class	Topic	Teacher
<b>Wednesday, 28.01.2026</b>	08.15 – 09.00	Lectures	Procedures in ICU	Asst. Prof. Mirko Mihalj
	09.00 – 09.45	Lectures	Focused ultrasonography in the ICU	
	09.45 – 10.30	Lectures	General principles of Mechanical Ventilation	
	10.30 – 11.15	Lectures	Acute Kidney Injury and general principles of Renal Replacement Therapy in ICU	
	11.15 – 12.00	Lectures	Acid-base disorders	
	12.30 – 13.15	Lectures	Acute respiratory failure	
	13.15 – 14.00	Lectures	Nosocomial infections in the ICU	

	14.00 – 14.45	Lectures	What is it like to be a patient in the Intensive Care Unit?	Asst. Prof. Mirko Mihalj
	14.45 – 15.30	Seminar	Clinical Case	
	15:30 – 16:15	Seminar	Clinical case	
<b>Thursday, 29. 01. 2026.</b>	08.15 – 12.00	Excercises	ICU topics	Assistant:  Ivana Bošnjak, MD  (JIL – ICU)
<b>Friday, 30. 01. 2026.</b>	8:15 – 12:00	exercises	ICU topics	Assistant:  Manja Spahalić, MD  (JIL2 – ICU2)

#### **SEMINARS (written essays):**

1. Klara Sofie Fischer: **Central Venous Catheter: indications and uses,**
2. Moritz Friemel: **Pulmonary Artery Catheter: indications and uses**
3. Leon Ludwig Kuhl: **APACHE II (Acute Physiology and Chronic Health Evaluation II) scoring system: application in ICU**
4. Itahiza Zambrano Marerro: **SOFA (Sequential Organ Failure Assessment) scoring system: application in ICU**
5. Johanna Lotte Kayser: **RASS (Richmond Agitation-Sedation Scale) scoring system: application in ICU**