



Study program: Integrated Academic Studies in Medicine			
Course title: Emergency Medical Conditions in Internal Medicine			
Teaching professor: Dušanka S. Obradović, Ivan Š. Kopitović, Jovan A. Matijašević, Igor Đ. Ivanov, Ilija Lj. Srdanović, Ivana A. Bajkin, Tijana S. Ičin, Željka S. Savić, Ivanka Perčić, Borivoj Sekulić			
Course status: elective			
Number ECTS: 3			
Condition: Internal medicine			
Aim of the course: Acquainting students with the early identification and therapy of critically ill patients in internal medicine.			
Outcome of the course: Training students in identifying critically ill patients and providing them adequate treatment measures			
Course content			
<i>Theoretical education</i>			
1. Identifying critical ill patients (implementation of the score systems (early warning systems-EWS). 2. Shock pathophysiology, oxygen transport and delivery. 3. Cardiogenic shock, systolic and diastolic dysfunction of the left heart. 4. Acute myocardial infarction. 5. Arrhythmias, dissection of the aorta. 6. Hypertensive urgencies, acute cardiogenic edema. 7. Severe community acquired pneumonia. 8. Severe asthma. 9. Acute respiratory distress syndrome (ARDS). 10. Pulmonary embolism. 11. Severe sepsis, septic shock and multiple organ dysfunction (MODS). 12. Acute renal insufficiency. 13. Hypoglycemia, Diabetic ketoacidosis, Hyperosmolar coma. 14. Mixedematous coma – Thyrotoxicosis. 15. Hepatic insufficiency acute, chronic, Acute pancreatitis			
<i>Practical education</i>			
Bedside teaching			
<ul style="list-style-type: none"> – Ventilation, gas exchange, pulmonary circulation – Principles of mechanical ventilation – Noninvasive ventilation – Solving and regulation of acid-base disturbances, solving and regulation of electrolytes disbalance – Renal replacement therapy – Gastrointestinal bleeding – Acute bleeding and thrombosis-hemostatic disorders 			
Literature:			
<i>Compulsory:</i>			
1. Marino PL. The ICU book. Wolters Kluwer 2016			
2. Arora N, Laka Sh.K. The Beginner's Guide to Intensive Care: A Handbook for Junior Doctors and Allied Professionals 2nd Edition, CRC Press			
Number of active teaching hours		Theoretical classes: 15	Practical classes: 30
Teaching methods			
Power point presentation theoretical classes , compulsory including case reports			
Student's activity assessment (points (maximum 100 points))			
Pre-exam activities	points	Exam	points
<i>Activity in theoretical classes</i>	20	Written exam	60
<i>Bedside teaching</i>	20		