

University of Rijeka, Faculty of Medicine

Curriculum 2023/2024

Compulsory course

Anaesthesiology, Reanimatology and Intensive Medicine

Study programme: **Medical Studies in English**
Department: **Katedra za anesteziologiju, reanimatologiju, hitnu i intenzivnu medicinu**
Course coordinator: **prof. dr. sc. Sotošek Vlatka, dr. med.**

Year of study: **5**
ECTS: **4.00**
Incentive ECTS: **0.00 (0.00%)**
Foreign language: **Possibility of teaching in a foreign language**

Course information:

Anesthesiology, Reanimatology and Intensive Care Medicine is a compulsory course on the 5th year of the Integrated Undergraduate and Graduate Study of Medicine in English. It consists of 12 hours of lectures, 68 hours of practicals, and a total of 80 hours (4 ECTS credits). The course is held at the Department of Anaesthesiology, Reanimatology, Emergency and Intensive Care Medicine, Clinical Hospital Center Rijeka and at The Institute of Emergency Medicine of the Primorje-Gorski kotar County.

Course objectives: The goal of this course is to encounter students with basic knowledge and skill of anesthesiology, reanimation and intensive care medicine. Further goal is to introduce to the students different anesthesia techniques, its indications and contraindications. Special attention is on training students to perform basic and advanced life support in adult and in children. Furthermore, the aim of the course is to encounter students with intensive care units, monitors of vital signs and treatment of critically ill patients. Additional goal is to introduce to the students different techniques of pain management.

Course content:

Anesthesiology: Historical review of the development of anesthesiology. Preoperative preparation of patients and operative risk assessment. Organization of anesthesia service and postoperative anesthesia care unit. General anesthesia, inhaled anesthetics, intravenous anesthetics and opioids, muscle relaxants. Regional anesthesia. Acute and chronic pain.

Reanimatology: Basic and advanced life support procedures. Approach to the patient with multiple injuries in outpatient emergency medical service. Approach to the patient with multiple injuries in the hospital emergency medical service.

Intensive care medicine: Organization of intensive care units. Vital signs monitoring in anesthesiology and intensive care medicine. Approach to the circulatory unstable patient. Sepsis and septic shock. Shock. Mechanical ventilation and Acute respiratory distress syndrome. Acute toxicity. Brain death and maintenance of a deceased organ donor for organ transplantation.

Teaching:

Classes are organized in the form of lectures and practicals. The estimated duration of course is 3 weeks. Lectures will be held on lecture room or on-line (MS Teams, Merlin platform) depending on epidemiological situation. Practicals are supervised by anesthesiologist and intensive care medicine physician, and the student are actively involved in practicals in accordance with epidemiological recommendations. Teaching staff will discuss with the students practicals. By completing all teaching activities, the students must pass obligatory test and final exam. By completing all teaching activities, the students will acquire 4 ECTS credits

List of assigned reading:

Šustić A, Sotošek V et al. Handbook of Anesthesiology, Reanimatology and Intensive Care Medicine for student of Medicine and Dental Medicine, Zagreb: Medicinska naklada; 2021.

List of optional reading:

Allman KG, Wilson IH. Oxford handbook of anaesthesia. Oxford: Oxford University Press; 2016.

Curriculum:

Predavanja list (with titles and explanation):

L1 - Introduction to the course and historical review

Understanding to the aims, contents, and requirements of the course. To know brief historical overview of anesthesiology, reanimatology and intensive medicine

L2 - Shock

To define shock. To distinguish different types of shock (cardiogenic, hypovolemic, distributive and obstructive shock). To know main principle of shock treatment.

L3 - Basic and advanced life support

To define basic principles of basic and advanced life support. To recognize life threatening conditions. To know algorithms of basic and advanced life support.

L4 - Approach of the patient with multiple injuries in outpatient emergency medical service and in the hospital emergency medical service

To know basic principles of the patient with multiple injuries in outpatient emergency medical service. To describe outpatient emergency medical service. To describe organization of hospital emergency medical service.

L5 - Preoperative preparation of patients and operative risk assessment

To describe the procedure of preoperative preparation of patient for anesthesia. To describe ASA classification. To know the methods of operative risk assessment. To know about premedication procedures

L6 - General anesthesia, inhaled anesthetics, intravenous anesthetics and opioids, muscle relaxants

To know basic principles of general anesthesia. To describe different techniques of general anesthesia. To understand stages of general anesthesia. To know basic characteristic of inhaled and intravenous anesthetics. To describe anatomy and function of neuromuscular plate and mechanism of action for muscle relaxants. To describe pharmacokinetic and pharmacodynamics principles of muscle relaxants

L7 - Regional anesthesia and local anesthetics

To describe different techniques of regional anesthesia. To understand the basic principles of regional anesthesia. To describe indications and contraindications for regional anesthesia. To describe mechanism of actions and characteristics of local anesthetics

L8 - Monitoring in anesthesia and intensive medicine

To describe different types of monitors for anesthesia and intensive care medicine. To describe the purpose of electrocardiograph, pulse oximetry, device for invasive and noninvasive measurement, neuromuscular monitoring device etc.

L9 - Approach to the circulatory unstable patient. Sepsis

To recognize and know how to treat circulatory unstable patient. To know the causes of hemodynamic instability. To recognize septic patients.

L10 - Mechanical ventilation and ARDS

To describe characteristics of mechanical ventilation. To know different modes of mechanical ventilation. To know the most common causes of ARDS, its diagnostic and treatment.

L11 - Acute poisoning

To describe the most common causes of acute poisoning. To understand symptoms of acute poisoning. To know specific and symptomatic treatment of acute poisoning

L12 - Acute and chronic pain treatment

To define acute and chronic pain. To understand pain pathway. To know different method of pain assessment. To know the most common causes of acute and chronic pain. To understand pharmacological and nonpharmacological methods of pain management.

Vježbe list (with titles and explanation):**P1 BLS - Basic Life Support**

To know basic life support. To describe algorithm of basic life support. To know how to use automated external defibrillator

P2 ALS - Advanced Life Support

To know advanced life support. To describe algorithm of advanced life support.

P3 Approach of the patient in outpatient emergency medical service

To describe the organization of outpatient emergency medical service. To know how to treat patients in outpatients emergency medical service

P4 Basic of anesthesia

To know basics of preoperative preparation of patient for anesthesia, to assess the risk for anesthesia an surgery. To know different techniques of general and regional anesthesia. To know different type of monitoring during anesthesia

P5 Basic of intensive medicine

To know basic characteristic of intensive care unit organization. To know basic principles of intensive care of critically ill patients. To describe different type of monitoring in intensive care unit.

Obligatory test

Skills Lab Simulation Centre

Student obligations:

Attendance on lectures and practicals is mandatory. Communication between the teaching staff and students will take place on Merlin e-learning system or by e-mail addresses (@uniri.hr)

Exam (exam taking, description of the written/oral/practical part of the exam, point distribution, grading criteria):

Student assessment is carried out in accordance with the current University of Rijeka Study Regulations and the Student Regulations at the Faculty of Medicine Rijeka (adopted by the Faculty Council of the Faculty of Medicine Rijeka). Students' performance will be evaluated during the course and at the final exam. Out of a total of 100 credits, a student can earn 50 credits (50%) during the course, and 50 credits (50%) at the final exam. Student assessment is performed using ECTS (A-F) and number system (1-5). Student assessments in ECTS system is carried out by is performed by absolute distribution, and according to graduate assessment criteria. Out of a total of 50 credits that can be earn during the course, student must earn 25 credits to take final exam.

The student acquires grade points by completing the tasks as follows I. During the course (maximum 50 credits): Obligatory test (maximum 50 credits) During the course students must take obligatory test of BLS and ALS and can earn maximum (range 25-50). The obligatory test is held the Skills Lab Simulation Center (Kabinet vještina). During the obligatory test teacher grades knowledge and skills of each student as follows:

grade	credits
sufficient	25
good	33
very good	42
excellent	50

II. Final exam (maximum 50 credits): Final exam is consist of obligatory written exam on Merlin platform. Student who earn 25 or more credits during the course can take final exam. Student who earn less than 25 credits during the course cannot take final exam. Final exam is scored maximal up to 50 credits. Final exam is consist of 24 questions and brings 50 credits (rage 25-50). To earn the credits student must pass 50% of final test. Correct answers are converted in credits by the following criteria:

CORRECT ANSWERS (%)	credits
50-54,99%	25
55-59,99%	30
60-64,99%	32,5
65-69,99%	35
70-74,99%	37,5
75-79,99%	40
80-84,99%	42,5
85-89,99%	45
90-94,99%	47,5
95-100%	50

For a passing grade during classes and on the final exam, student has to obtain minimum of 50 credits. The ECTS grading system is defined by the following criteria:

- A (5) - 90 -100% credits
- B (4)- 75 - 89,9% credits
- C (3) - 60 - 74,9% credits
- D (2) -- 50 - 59,9% credits
- F (1) - 0 - 49,9% credits

Grades in ECTS grading system are converted in numerical system by the following criteria:

- A = excellent (5)
- B = very good (4)
- C = good (3)
- D = sufficient (2)
- F = insufficient (1)

Other notes (related to the course) important for students:

Course content and all information related to the course as well as exam dates can be found on the Merlin elearning system and on the web pages of the Department of Anesthesiology, Reanimatology, Emergency and Intensive care. All student inquiries, regarding the course and possible problems, remarks and inquiries are provided exclusively using the official e-mail addresses (@medri.uniri.hr) or via the Merlin e-learning system. It is possible to arrange consultations with the teaching staff during working hours

COURSE HOURS 2023/2024

Anaesthesiology, Reanimatology and Intensive Medicine

Predavanja (Place and time or group)	Vježbe (Place and time or group)
20.06.2024	
<p>L1 - Introduction to the course and historical review:</p> <ul style="list-style-type: none">• Kampus S-31 (16:00 - 17:30) ^[398]<ul style="list-style-type: none">◦ ARAIC <p>L2 - Shock:</p> <ul style="list-style-type: none">• Kampus S-31 (16:00 - 17:30) ^[398]<ul style="list-style-type: none">◦ ARAIC	<p>P1 BLS - Basic Life Support:</p> <ul style="list-style-type: none">• Kabinet vještina, vježbalište 1 (08:00 - 11:30) ^[1913]<ul style="list-style-type: none">◦ ARIC-P1 <p>P4 Basic of anesthesia:</p> <ul style="list-style-type: none">• Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[1915]<ul style="list-style-type: none">◦ ARIC-P2• Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[2305]<ul style="list-style-type: none">◦ ARIC-P3 <p>P5 Basic of intensive medicine:</p> <ul style="list-style-type: none">• Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[468]<ul style="list-style-type: none">◦ ARIC-P4• Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[352]<ul style="list-style-type: none">◦ ARIC-P5 <p>P3 Approach of the patient in outpatient emergency medical service:</p> <ul style="list-style-type: none">• ZZHM PGŽ Rijeka (08:15 - 15:00) ^[471]<ul style="list-style-type: none">◦ ARIC-P6 <p>P2 ALS - Advanced Life Support:</p> <ul style="list-style-type: none">• Kabinet vještina, vježbalište 1 (12:00 - 15:30) ^[1913]<ul style="list-style-type: none">◦ ARIC-P1
doc. dr. sc. Bobinac Mirna, dr. med. ^[352] · Božić Katarina ^[1913] · Kajčić Senka, dr. med. ^[471] · Knežević Danijel, dr. med. ^[468] · Predrijevac Tomljanović Anamarija ^[1915] · prof. dr. sc. Sotošek Vlatka, dr. med. ^[398] · naslovna asistentica Tomas Vera, dr.med. ^[2305]	
21.06.2024	

<p>L3 – Basic and advanced life support:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[259] <ul style="list-style-type: none"> ◦ ARAIC <p>L4 – Approach of the patient with multiple injuries in outpatient emergency medical service and in the hospital emergency medical service:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[259] <ul style="list-style-type: none"> ◦ ARAIC 	<p>P1 BLS - Basic Life Support:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (08:00 - 11:30) ^[355] <ul style="list-style-type: none"> ◦ ARIC-P6 <p>P3 Approach of the patient in outpatient emergency medical service:</p> <ul style="list-style-type: none"> • ZZHM PGŽ Rijeka (08:15 - 15:00) ^[471] <ul style="list-style-type: none"> ◦ ARIC-P5 <p>P5 Basic of intensive medicine:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[352] <ul style="list-style-type: none"> ◦ ARIC-P4 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[468] <ul style="list-style-type: none"> ◦ ARIC-P3 <p>P4 Basic of anesthesia:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[1913] <ul style="list-style-type: none"> ◦ ARIC-P2 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[1915] <ul style="list-style-type: none"> ◦ ARIC-P1 <p>P2 ALS - Advanced Life Support:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (12:15 - 15:30) ^[355] <ul style="list-style-type: none"> ◦ ARIC-P6
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doc. dr. sc. Bobinac Mirna, dr. med. ^[352] · Božić Katarina ^[1913] · Bura Matej, dr. med. ^[355] · Kajčić Senka, dr. med. ^[471] · Knežević Danijel, dr. med. ^[468] · Predrijevac Tomljanović Anamarija ^[1915] · prof. dr. sc. Protić Alen, dr. med. ^[259]

24.06.2024

<p>L5 – Preoperative preparation of patients and operative risk assessment:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[464] <ul style="list-style-type: none"> ◦ ARAIC <p>L6 - General anesthesia, inhaled anesthetics, intravenous anesthetics and opioids, muscle relaxants:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[464] <ul style="list-style-type: none"> ◦ ARAIC 	<p>P1 BLS - Basic Life Support:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (08:00 - 11:30) ^[353] <ul style="list-style-type: none"> ◦ ARIC-P5 <p>P4 Basic of anesthesia:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[354] <ul style="list-style-type: none"> ◦ ARIC-P1 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[1911] <ul style="list-style-type: none"> ◦ ARIC-P6 <p>P5 Basic of intensive medicine:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[468] <ul style="list-style-type: none"> ◦ ARIC-P2 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[467] <ul style="list-style-type: none"> ◦ ARIC-P3 <p>P3 Approach of the patient in outpatient emergency medical service:</p> <ul style="list-style-type: none"> • ZZHM PGŽ Rijeka (08:15 - 15:00) ^[471] <ul style="list-style-type: none"> ◦ ARIC-P4 <p>P2 ALS - Advanced Life Support:</p> <ul style="list-style-type: none"> • ZZHM PGŽ Rijeka (12:00 - 15:30) ^[353] <ul style="list-style-type: none"> ◦ ARIC-P5
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Jurinčić Ivana ^[1911] · Kajčić Senka, dr. med. ^[471] · Knežević Danijel, dr. med. ^[468] · Milošević Marko, dr. med. ^[467] · doc. dr. sc. Pavičić Šarić Jadranka, dr. med. ^[464] · Pičuljan Ana, dr. med. ^[354] · Šuper-Petrinjac Erika, dr. med. ^[353]

25.06.2024

<p>L7 – Regional anesthesia and local anesthetics:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[398] <ul style="list-style-type: none"> ◦ ARAIC <p>L8 – Monitoring in anesthesia and intensive medicine:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[398] <ul style="list-style-type: none"> ◦ ARAIC 	<p>P1 BLS - Basic Life Support:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (08:00 - 11:30) ^[1914] <ul style="list-style-type: none"> ◦ ARIC-P4 <p>P4 Basic of anesthesia:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[2305] <ul style="list-style-type: none"> ◦ ARIC-P6 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[1404] <ul style="list-style-type: none"> ◦ ARIC-P5 <p>P3 Approach of the patient in outpatient emergency medical service:</p> <ul style="list-style-type: none"> • ZZHM PGŽ Rijeka (08:15 - 15:00) ^[471] <ul style="list-style-type: none"> ◦ ARIC-P3 <p>P5 Basic of intensive medicine:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[355] <ul style="list-style-type: none"> ◦ ARIC-P2 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[1911] <ul style="list-style-type: none"> ◦ ARIC-P1 <p>P2 ALS - Advanced Life Support:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (12:15 - 15:30) ^[1914] <ul style="list-style-type: none"> ◦ ARIC-P4
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Bura Matej, dr. med. ^[355] · Jurinčić Ivana ^[1911] · Kajčić Senka, dr. med. ^[471] · Maroević Jan ^[1404] · prof. dr. sc. Sotošek Vlatka, dr. med. ^[398] · naslovna asistentica Tomas Vera, dr.med. ^[2305] · Ševeljević Ivan ^[1914]

26.06.2024

<p>L9 - Approach to the circulatory unstable patient. Sepsis:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[461] <ul style="list-style-type: none"> ◦ ARAIC <p>L10 – Mechanical ventilation and ARDS:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[461] <ul style="list-style-type: none"> ◦ ARAIC 	<p>P1 BLS - Basic Life Support:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (08:00 - 11:30) ^[355] <ul style="list-style-type: none"> ◦ ARIC-P3 <p>P3 Approach of the patient in outpatient emergency medical service:</p> <ul style="list-style-type: none"> • ZZHM PGŽ Rijeka (08:15 - 15:00) ^[471] <ul style="list-style-type: none"> ◦ ARIC-P2 <p>P5 Basic of intensive medicine:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[2304] <ul style="list-style-type: none"> ◦ ARIC-P1 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[468] <ul style="list-style-type: none"> ◦ ARIC-P6 <p>P4 Basic of anesthesia:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[1404] <ul style="list-style-type: none"> ◦ ARIC-P4 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[354] <ul style="list-style-type: none"> ◦ ARIC-P5 <p>P2 ALS - Advanced Life Support:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (12:00 - 15:30) ^[355] <ul style="list-style-type: none"> ◦ ARIC-P3
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Barbalić Berislav ^[2304] · Bura Matej, dr. med. ^[355] · Kajčić Senka, dr. med. ^[471] · Knežević Danijel, dr. med. ^[468] · Maroević Jan ^[1404] · Pičuljan Ana, dr. med. ^[354] · prof. dr. sc. Župan Željko, dr. med. ^[461]

27.06.2024

<p>L11 - Acute poisoning:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[465] <ul style="list-style-type: none"> ◦ ARAIC <p>L12 - Acute and chronic pain treatment:</p> <ul style="list-style-type: none"> • Kampus S-31 (16:00 - 17:30) ^[465] <ul style="list-style-type: none"> ◦ ARAIC 	<p>P1 BLS - Basic Life Support:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (08:00 - 11:30) ^[1914] <ul style="list-style-type: none"> ◦ ARIC-P2 <p>P4 Basic of anesthesia:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[1915] <ul style="list-style-type: none"> ◦ ARIC-P3 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[1912] <ul style="list-style-type: none"> ◦ ARIC-P4 <p>P5 Basic of intensive medicine:</p> <ul style="list-style-type: none"> • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka (08:15 - 15:00) ^[468] <ul style="list-style-type: none"> ◦ ARIC-P5 • Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak (08:15 - 15:00) ^[352] <ul style="list-style-type: none"> ◦ ARIC-P6 <p>P3 Approach of the patient in outpatient emergency medical service:</p> <ul style="list-style-type: none"> • ZZHM PGŽ Rijeka (08:15 - 15:00) ^[471] <ul style="list-style-type: none"> ◦ ARIC-P1 <p>P2 ALS - Advanced Life Support:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (12:00 - 15:30) ^[1914] <ul style="list-style-type: none"> ◦ ARIC-P2
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doc. dr. sc. Bobinac Mirna, dr. med. ^[352] · Kajčić Senka, dr. med. ^[471] · Knežević Danijel, dr. med. ^[468] · dr. sc. Orlić Karbić Vlasta, dr. med. ^[465] · Predrijevac Tomljanović Anamarija ^[1915] · Vuksan Ivan ^[1912] · Ševeljević Ivan ^[1914]

28.06.2024

	<p>Obligatory test:</p> <ul style="list-style-type: none"> • Kabinet vještina, vježbalište 1 (08:00 - 16:00) ^[353] <ul style="list-style-type: none"> ◦ ARIC-P1 ◦ ARIC-P2 ◦ ARIC-P3 ◦ ARIC-P4 ◦ ARIC-P5 ◦ ARIC-P6 <p>P3 Approach of the patient in outpatient emergency medical service:</p> <ul style="list-style-type: none"> • ZZHM PGŽ Rijeka (08:15 - 15:00) ^[467] <ul style="list-style-type: none"> ◦ ARIC-P1 ◦ ARIC-P2 ◦ ARIC-P3 ◦ ARIC-P4 ◦ ARIC-P5 ◦ ARIC-P6
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Milošević Marko, dr. med. ^[467] · Šuper-Petrinjac Erika, dr. med. ^[353]

List of lectures, seminars and practicals:

PREDAVANJA (TOPIC)	Number of hours	Location
L1 - Introduction to the course and historical review	1	Kampus S-31
L2 - Shock	1	Kampus S-31
L3 - Basic and advanced life support	1	Kampus S-31
L4 - Approach of the patient with multiple injuries in outpatient emergency medical service and in the hospital emergency medical service	1	Kampus S-31

L5 - Preoperative preparation of patients and operative risk assessment	1	Kampus S-31
L6 - General anesthesia, inhaled anesthetics, intravenous anesthetics and opioids, muscle relaxants	1	Kampus S-31
L7 - Regional anesthesia and local anesthetics	1	Kampus S-31
L8 - Monitoring in anesthesia and intensive medicine	1	Kampus S-31
L9 - Approach to the circulatory unstable patient. Sepsis	1	Kampus S-31
L10 - Mechanical ventilation and ARDS	1	Kampus S-31
L11 - Acute poisoning	1	Kampus S-31
L12 - Acute and chronic pain treatment	1	Kampus S-31

VJEŽBE (TOPIC)	Number of hours	Location
P1 BLS - Basic Life Support	16	Kabinet vještina, vježbalište 1
P2 ALS - Advanced Life Support	16	Kabinet vještina, vježbalište 1 ZZHM PGŽ Rijeka
P3 Approach of the patient in outpatient emergency medical service	8	ZZHM PGŽ Rijeka
P4 Basic of anesthesia	14	Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak
P5 Basic of intensive medicine	14	Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Rijeka Klinika za anesteziologiju i intenzivno liječenje KBC Rijeka-lokalitet Sušak
Obligatory test	8	Kabinet vještina, vježbalište 1

EXAM DATES (final exam):

1.	01.07.2024.
2.	15.07.2024.
3.	05.09.2024.
4.	19.09.2024.