
	UNIVERSITY OF EAST SARAJEVO Faculty of Medicine				
	Study program: medicine				
	Integrated academic studies	III study year			
Full subject title	NEW METHODS IN RADIOLOGY				
Department	Department of Propedeutics Faculty of Medicine Foca				
Subject code	Subject status	Semester	ECTS		
ME-02-2-031-5	elective	V	1		
Professor/ -s	Full professor Vera Artiko MD, PhD; Full professor Biljana Marković-Vasiljković MD, PhD; assistant professor Nataša Prvulović-Bunović, MD, PhD; assistant professor Jasmina Bajrović, MD, PhD; assistant professor Vedran Markotić, MD, PhD; assistant professor Jelena Maric				
Associate/ -s					
Number of lectures/ teaching workload (per week)			Individual student workload (in hours per semester)		Coefficient of student workload S_0^1
L	E	SP	L	E	SP
1	0	0	1*15*1	0*15*1	0*15*1
total teaching workload (in hours, per semester) $1*15 + 0*15 + 0*15 = 15$			total teaching workload (in hours, per semester) $1*15*1 + 0*15*1 + 0*15*1 = 15$		
Total subject workload (teaching + student): $15 + 15 = 30$ hours					
Learning outcomes	1. Knowledge of potentials and indications of new methods in radiology through an example of a given disease.				
General competences	They are prepared for further development and advances within the field of medicine. They have acquired a systemic thinking approach as well as a structured approach to medical problems during their education. They are acquainted with a specific diagnostic algorithm. They are capable of making appropriate therapeutic decisions. They are capable of expressing themselves and communicating in a manner that is both understandable and acceptable to the patient. They are prepared for accepting responsibility and appropriate medical decision-making.				
Preconditions	Requirement for taking the exam: all passed exams from the previous year of study				
Teaching methods	Lectures, seminars and consultations				
Subject content per week	Lectures 1. Presentation skills- how to design and defend the seminar 2. Modern achievements in digital radiography 3. Modern application of ultrasound and dopler diagnostics 4. Modern application and possibilities of spiral CT 5. Modern possibilities of magnetic resonance 6. High-resolution CT lung 7. Coronarography 8. Contemporary Nuclear Medical Diagnostics of the Heart 9. ERCP-endoscopic retrograde holangiopancreatography 10. Interventional nephrostomy 11. Modern neuroradiology 12. BIRADS- Categorization of Breast Diagnosis 13. MR joint diagnostics 14. Vertebroplastics 15. Emergency Radiology				
Compulsory literature					
Author/s	Publication title/Publisher	Year	Pages (from-to)		
	Srtart plus radiology. CD edition. WUS Austria	2005.			

¹The coefficient of student workload S_0 is calculated as it follows:

a) for the study programs not going through the licensing process: $S_0 = (\text{total workload in semester for all of the subjects } 900 \text{ hrs} - \text{total teaching workload } L+E \text{ in semester for all of the subjects } 870 \text{ hrs}) / \text{total teaching workload } L+E \text{ in semester for all of the subjects } \text{ hrs} = \text{ }.$ Consult form content and its explanation.
 b) for the study programs going through the licensing process, it is necessary to use form content and its explanation.

	Web sites with radiological images of the given diseases		
Additional literature			
Author/s	Publication title/Publisher	Year	Pages (from-to)
Student responsibilities, types of student assessment and grading	Grading policy		Points
	Pre-exam activities		Percentage
	Seminar papers	50	50%
	Final exam		
	test	50	50%
	TOTAL	100	100 %
Certification date	June 17th 2024		