|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | **UNIVERSITY OF EAST SARAJEVO**  Faculty of Medicine Foča | | | | | | | | | | | Description: logo | | | |
| ***Study program: Nursing*** | | | | | | | | | | |
| I study cycle | | | | | | IV study year | | | | |
| **Full subject title** | | | RADIOLOGY AND IMAGING IN HEALTH CARE | | | | | | | | | | | | | | |
| **Department** | | | Department of Propedeutics, Faculty of Medicine in Foča | | | | | | | | | | | | | | |
| **Subject code** | | | | | | **Subject status** | | | | | **Semester** | | | **ECTS** | | | |
|
| NU-05-1-043-7 | | | | | | compulsory | | | | | VII | | | 5 | | | |
| **Наставник/ -ци** | | Associate professor Biljana Marković-Vsiljković, associate professor Nataša Prvulović, assistant professor Vedran Markotić, assistant professor Jasmina Bajrović, full professor Siniša Ristić | | | | | | | | | | | | | | | |
| **Сарадник/ - ци** | | Associate professor Biljana Marković-Vsiljković, associate professor Nataša Prvulović, assistant professor Vedran Markotić, assistant professor Jasmina Bajrović, full professor Siniša Ristić | | | | | | | | | | | | | | | |
| **Number of lectures/ teaching workload (per week)** | | | | | | | **Individual student workload (in hours per semester)** | | | | | | | | **Coefficient of student workload So[[1]](#footnote-1)** | | |
| **L** | **E** | | | | **SP** | | **L** | | | **E** | | **SP** | | | **So** | | |
| 2 | 1 | | | | 0 | | 70 | | | 35 | | 0 | | | 2,3 | | |
| total teaching workload (in hours, per semester) 30+15+0=45 | | | | | | | | total student workload (in hours, per semester)  70+ 35+0=105 | | | | | | | | | |
| Total subject workload (teaching + student): 45+105= 150 hours per semester | | | | | | | | | | | | | | | | | |
| **Learning outcomes** | | Upon completion of this course, the student will be proficient in:   1. Knowledge of radiological diagnostic and therapeutic modalities. 2. Knowledge of algorithms and operational terms related to modern imaging radiological functions (nuclear medicine) methods. 3. Understanding of patient management during diagnostic procedures. 4. Understanding the importance of radiological examination for diagnosis and the role of the nurse in preparing the patient for examination, as well as providing care during and after the examination and therapy. 5. Applying all legally prescribed measures for the protection of patients and healthcare workers during the examination. | | | | | | | | | | | | | | | |
| **Preconditions** | | Exams passed from the previous year | | | | | | | | | | | | | | | |
| **Teaching methods** | | Lectures, exercises, seminar, practical work | | | | | | | | | | | | | | | |
| **Subject content per week** | | **Lectures:**   1. Introduction to Radiology / Basics of Radioactivity / Protection from Ionizing Radiation 2. Patient Management in Radiology. Diagnostic Algorithm. 3. Basics of X-ray (RTG) and CT Diagnostics 4. Basics of Ultrasound (US) and MRI Diagnostics 5. Diagnostic Algorithm for Radiological Diagnosis of the Lungs 6. Diagnostic Algorithm for Radiological Diagnosis of the Breast 7. Diagnostic Algorithm for Radiological Diagnosis of the Heart and Blood Vessels 8. Possibilities of Vascular Interventional Radiology 9. Possibilities of Non-vascular Interventional Radiology 10. Diagnostic Algorithm for Radiological Diagnosis of the Digestive System 11. Diagnostic Algorithm for Radiological Diagnosis of the Urogenital System 12. Diagnostic Algorithm for Radiological Diagnosis of the Musculoskeletal System 13. Diagnostic Algorithm in Neuroradiology 14. Application and Possibilities of Nuclear Medicine Imaging 15. Indications and Possibilities of Radiotherapy   **Exercises:**   1. Препоруке за заштиту од зраченја за дипломиране медицинаре . 2. Пејшнт менаџмент у радиологији. Дијагностички алгоритам. 3. Организација радиолошког одељења 4. Орјентација радиолошких снимака , упознавање са системом архивирања медицинских слика 5. Препознавање метода у радиолошкој дијагностици плућа. 6. Препознавање метода у радиолошкој дијагностици дојке 7. Препознавање метода у радиолошкој дијагностици срца и крвних судова 8. Препознавање метода у васкуларној интервентној радиологији 9. Препознавање метода у неваскуларној интервентној радиологији 10. Препознавање метода у радиолошкој дијагностици дигестивног система 11. Препознавање метода у радиолошкој дијагностици урогениталног   система   1. Препознавање метода у радиолошкој дијагностици локомоторног система 2. Препознавање метода у неурорадиологији 3. Примена и могућности нуклеарно медицинског имиџинга 4. Индикације и могућности радиотерапије | | | | | | | | | | | | | | | |
| **Compulsory literature** | | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title/Publisher** | | | | | | | | | **Year** | | **Pages (from-to)** | | |
| Nigel R. | | | | Accident and Emergency Radiology: A Survival Guide | | | | | | | | | 2014. | |  | | |
|  | | | |  | | | | | | | | |  | |  | | |
| **Additional literature** | | | | | | | | | | | | | | | | | |
| **Author/s** | | | | **Publication title/Publisher** | | | | | | | | | **Year** | | **Pages (from-to)** | | |
|  | | | |  | | | | | | | | |  | |  | | |
|  | | | |  | | | | | | | | |  | |  | | |
|  | | | |  | | | | | | | | |  | |  | | |
| **Обавезе, облици провјере знања и оцјењивање** | | **Grading policy** | | | | | | | | | | | **Points** | | | | **Percentage** |
| Pre-exam activities | | | | | | | | | | | | | | | |
| lecture/exercise attendance | | | | | | | | | | | 20 | | | 20% | |
| Seminar paper | | | | | | | | | | | 10 | | | 10% | |
| practical work | | | | | | | | | | | 20 | | | 20% | |
| Final exam | | | | | | | | | | | | | | | |
| written exam | | | | | | | | | | | 50 | | | 50% | |
| TOTAL | | | | | | | | | | | 100 | | | 100 % | |
| **Certification date** | | December 2024. | | | | | | | | | | | | | | | |

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

   а) for the study programs not going through the licensing process: So = (total workload in semester for all of the subjects 900 hrs – total teaching workload L+E in semester for all of the subjects 870 hrs)/ total teaching workload L+E in semester for all of the subjects \_\_\_\_\_ hrs = \_\_\_\_. 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. [↑](#footnote-ref-1)