

1.	Subject	DIAGNOSTIC RADIOLOGY METHODS AND OTHER TYPE OF DIAGNOSTIC METHODS		
2.	Code	DA – 319		
3.	Study program:	Three-year professional studies for graduate obstetricians		
4.	Conducted by	UKIM – Medical Faculty Department of Radiology		
5.	Degree of education (first or second cycle)	First cycle		
6.	Academic year/semester	III/V	7.	Credits 1
8.	Professor	Head of the Department: Prof. d-r Mihail Grunevski *the lessons are held by the following members of the Department: Prof. d-r Svetlana Antovska – Grujoska Prof. d-r NAdica Mitrevska Prof. d-r Vasilcho Spirov Prof. d-r Violeta Vasilevska – Nikodinovska Prof. d-r Elizabeta Stojoska – Jovanovska		
9.	Prerequisite	Pass all the exams of I year		
10.	Goals	After this subjects, the students will be familiar with the basic principles of the diagnostic radiology methods and other diagnostic methods that are used in gynecology and obstetrics, as well as the of the role of the obstetricians in them; the student will learn the basic analysis of diagnostic radiology methods and the other diagnostic methods that are used in gynecology and obstetrics and will learn to understand the results of radiologic analysis; they will learn to understand and interpret the influence of different factors over the results and will learn to prepare the patients for radiologic and other types of analysis. The students will learn to interpret the common procedures and their results.		
11.	Content summary:	<p>Theoretical lessons: Basic radiology principles, creation of x-rays, ultrasound and magnetic resonance. Diagnostic radiology methods; protection of ionizing radiation; diagnostic radiology methods used in the diagnosis of problems with the genital tract; Preparing the patients for diagnostic radiology examination or another type of diagnostic examination. Hysterosalpingography (HSG), equipment, indications and contraindications, techniques of HSG, pathologic finding with HSG and complication with an HSG examination. Radiologic and urologic examinations in gynecology; radiology contrast agents and recognizing allergies to contrast agents; Ultrasound in gynecology; Computed tomography in diagnosing anomalies and diseases of the genital tract; The role of magnetic resonance in diagnosing congenital anomalies and diseases of the uterus, ovaries, vagina; Mammography; Galactography; Radiologic intervention procedures</p> <p>Practical lessons: Equipment in radiology; Modern equipment in radiology; Basic radiologic anatomy of the genital system; Preparing the patient for radiologic examination; Hysterosalpingography; Ultrasound; Mammography; Computed tomography; Nuclear magnetic resonance; Indications and contraindications of radiologic examinations; Radiologic intervention procedures; Galactography; Methods of diagnosing pregnant women; Protection of ionizing radiation; Modern diagnostic methods that don't use radiation</p>		
12.	Teaching methods:	theoretical lessons, interactive practical lessons, learning at home		
13.	Total classes:	60		
14.	Organization	20 theoretical lessons, 20 practical lessons, 20 lessons		

		learning at home		
15.	Types of teaching activities	15.1	Lessons: theoretical classes	20
		15.2	Practical lessons, seminars	20
16.	Other types of activities	16.1	Practice	
		16.2	Self-supporting practice	
		16.3	Learning at home	20
17.	Knowledge assessment	Points		
	17.1	Final exam	Written part 42-70 points	
	17.2	Paper/project (oral presentation of a project)		
	17.3	Active participation	Theoretical lessons points Practical lessons points	Min. – Max 1 - 5 15 - 25
18.	Grading criterion (points/grades)	Up to 59	5 (five) F	
		60-68	6 (six) E	
		69-76	7 (seven) D	
		77-84	8 (eight) C	
		85-92	9 (nine) B	
		93-100	10 (ten) A	
19.	Requirements for obtaining a signature and attending the final examination	To obtain a signature the student must gain minimum points from attending the theoretical lessons and practical lessons. The final grade for the subject is formed according to the table for grading, and is based on the sum of the points from all the activities, the mid-term exams and the final exam.		
20.	Language	Macedonian		
21.	Method of evaluating the quality of the lessons	Students' anonymous evaluation of the subjects, the professors and collaborators who hold the lessons.		
22.	Literature:			
	22.1	Mandatory literature		
		1.	Prof. d-r Damjan Dimchevski, Hysterosalpingography with a radiologic atlas, Magor, Skopje, 1998	
		2.	Authorized lectures of the Department	
		3.	Prim.d-r Momchilo Zivkovikj et al., Clinical Radiology 1, Belgrade, 1992	
	22.2	Additional literature		
		1.	Prof. d-r Damjan Dimchevski, Intravasation of the contrast during hysterosalpingography, Studentski zbor, Skopje, 1984	