

1.	Subject	GYNECOLOGY AND OBSTETRICS		
2.	Code	OM 422		
3.	Study Program	General Medicine		
4.	Institution (Unit, Institute, Chair, Department)	UKIM-Medical Faculty Department of Gynecology and Obstetrics		
5.	Degree of education (first or second cycle)	Integrated 6-year study		
6.	Study year/semester	Fourth/VIII Fift/IX	7.	Number of ECTS credits
8.	Responsible teacher	Head of department Prof. Goran Dimitrov * teaching is performed by all members of the department		
9.	Preconditions	Filled for enrollment in VII semester		
10.	Objectives of the course program (competences):			
	<ul style="list-style-type: none"> • The student learns and mastered the skills within the framework of rationaldiagnostics and the modern treatment of gynecological diseases. • To familiarize the student with the basic principles of diagnosing operationalpreparation and treatment within Gynecology and Obstetrics. • The student can rationally be able to evaluate and refer to the treatment of acutegynecological and obstetric diseases, which if not diagnosed and treated in a timely manner can end up fatal. • Student be able to evaluate and treat gynecological and obstetric diseases, monitorand assess normal pregnancy 			

11. **Course content:**

Theoretical instruction:

A. Gynecology Contents:

- Introduction to gynecology and ethical principles
- Examination and objective finding in gynecology
- Gynecological neuroendocrinology
- Pelvic anatomy
- Embryology with histology
- Basics in surgical endocrinology
- Growth, development and sexual maturation
- Disorders of puberty and adolescence
- Menstrual cycle and its disorders
- Sexually transmitted diseases
- Inflammation of the genital organs
- Emergency and critical conditions in gynecology
- Reproductive endocrinology and male infertility
- Tubal factor infertility and endometriosis
- Assisted reproduction
- Pelvic prolapse
- Urinary incontinence
- Genital fistulae
- Diagnostic methods in gynecology
- Perimenopausal HRT
- Contraception and paling of the family
- Benign tumors of the vulva, vagina and cervix

- Benign tumors on the body of the uterus
- Benign tumors of adnexa
- Malignant tumors on the vulva, vagina and cervix
- Malignant tumors on the body of the uterus
- Malignant tumors of adnexa

- Early diagnosis and prevention of cervical cancer and colposcopy -
Benign and malignant tumors of the breast

B. Content by Obstetrics:

- Conception. Morphological development of the placenta.
- Fetus and placental membranes.
- The construction and function of the placenta.
- Placental hormones.
- Placenta previa
- Abruptio placentae
- The use of drugs in pregnancy - Urgent conditions in pregnancy
- Graviditas E.U.
- Bleeding in the first and second half of pregnancy
- Breech delivery
- Abnormalities on the placenta.
- Embryopathy and fetopathy.
- Prenatal diagnostics.
- Genetic counseling.
- Normal and abnormal pelvis
- Multiple pregnancy
- Infections in pregnancy
- PPO, ALSy
- IUGR
- Rh incompatibility and Rh sensibilization
- Diagnostic and therapeutic interventions in pregnancy

- Gestosis
- Fetus as an object
- Normal labor. Normal deliveries.
- Fetal distress

- Preterm delivery.
- Prolonged pregnancy - Diabetes in pregnancy
- Dystocia.
- Induction of labor
- Mall rotations and mall presentations
- Completion of delivery with a vaginal intervention
- Completion of delivery with S.C.
- Anesthesia and analgesia in obstetrics
- Ultra sound in pregnancy
- Diseases of the trophoblast
- Puerperium
- Pre-term and postpartum bleeding
- Internist and surgical diseases in pregnancy
- Ethical and legal aspects in perinatology

Practical classes:

A. Gynecology

- gynecological history
- gynecological examination
- cytological investigations
- taking swabs
- Rtg diagnostics in gynecology
- laparoscopic diagnostics in gynecology
- biochemical investigations in gynecology
- RCUI and CEF
- Ultrasound diagnostics
- Acute conditions of gynecological origin: acute pain and acute bleeding
- Painful syndrome in gynecology
- Forensic research in gynecology
- Benign diseases in gynecology: vulva, uterine cervix, uterine body, adnexa

- Malignant diseases in gynecology: vulva, uterine cervix, uterine body, adnexa
- Treatment of an urogenital patient
- Operative cuts, suture, suture material and instruments in gynecological surgery

B OBSTETRICS :

- obstetric history
- obstetric examination
- clinical treatment of the pregnant woman
- laboratory and radiographic diagnostics in gravidity

	<ul style="list-style-type: none"> - keeping a normal birth - leading to birth in the pelvic presentation of the fetus - Abortion techniques in obstetric practice RCUI - childbearing of maternity pathways, epizoototomy and suture - obstetric surgery: external bone, Perforatio capitis, forceps - surgery to complete the birth in the pelvic fetus 			
12.	Learning methods: Interactive lectures, exercises / seminars			
13.	Total available time:		360 classes	
14.	Organization of the course		/	
15.	Forms of teaching activities	15.1	Theoretical course	Gynecology – 54 classes Obstetrics – 56 classes
		15.2	Practical course, seminars, team work	Gynecology - 45 classes Obstetrics – 40 classes
16.	Other forms of activities	16.1	Practice	classes
		16.2	Individual tasks	classes
		16.3	Individual (home) learning	165 classes
17.	Method of assessment бодови			
	17.1	Oral examination		min-max.
			Continual assessment - points	18 -30
			* Continual assessment of knowledge (colloquium):	
			4 written	
			1 and 2 colloquium - questions in the field of gynecology	
			3 and 4 colloquium - issues in the field of obstetric	
		Final exam		min-max.
			Oral examination	points 27 - 45

		Practical examination	points	6 – 10
17.2	Seminar paper/project (oral/written presentation)	/		
17.3	Active participation			Min-max.
		Theoretical course	points	1 - 3
		Practical course	points	11 – 14
18.	Grading criteria (points / grade)	up to 59 points	5 (five) F	
		from 60 to 68 points	6 (six) E	
		from 69 to 76 points	7 (seven) D	
		from 77 to 84 points	8 (eight) C	
		from 85 to 92 points	9 (nine) B	
		from 93 to 100 points	10 (ten) A	
19.	Requirement for signature and taking the final exam	<p>Conditional criteria for assessment of knowledge:</p> <p>Conditional criteria:</p> <p>In order to obtain a signature, a student is required to attend the theoretical and practical classes and to score minimum points.</p> <p>In order to enter the final exam, the student should pass the anticipated continual assessments or to earn a minimum of 30% of the total number of points envisaged for continual assessments, and in the exam session he first takes the undue continual assessments, and then approaches the final exam.</p> <p>The grade for the course is formed according to the rating table, based on the sum of the points from all the</p>		
		activities, the continual assessments and the final exam		
20.	Language of instruction	Macedonian		

21.	Method of monitoring the quality of teaching process	Student anonymous evaluation of the subject and the teachers and collaborators participating in the teaching process			
22.	Textbooks				
	Mandatory				
		Author	Title	Publisher	Year
22.1	1	Stephen G. Gab, Jennifer R. Nibil, Joe Lee Simpson	Obstetrics: Normal and problematic pregnancies	Tabernacul, Skopje (translation with a project of the Government of the Republic of Macedonia)	2011
	2	Jonathan S. Berek	Gynecology Berek And Novac	Tabernacul, Skopje (translation with a project of the Government of the Republic of Macedonia)	2011
	3	Willibald Pschyrembel	Practical Gynecology	Medical Naclada Belgrade - Zagreb	1977
	Additional				
		Author	Title	Publisher	Year
22.2	1	Barbara Hoffman, John Schorge, Lisa Halvorson, Karen Bradshaw, F.Cunningham	Article I. Williams Gynecology Second Edition	McGraw Hill Profesional	2012

		2	F.Cunningham, Kenneth Leveno, Steven Bloom, John Hauth, Dwight Rouse, Catherine Spong	Article II. Williams Obstetric 23 rd Edition	McGraw Hill Professionalsl	2009
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