

1.	Subject	<b>OBSTETRICAL CARE 1</b>			
2.	Code	DA – 112			
3.	Study program:	Three-year professional studies for graduate obstetricians			
4.	Conducted by	UKIM – Medical faculty Department of gynecology and obstetrics			
5.	Degree of education (first or second cycle)	First cycle			
6.	Academic year/semester	First/I and II	7.	Credits	8-I semester 15-II semester
8.	Professor	Department Chair: Prof. Goran Dimitrov *all the professors from the Department of gynecology and obstetrics			
9.	Prerequisite				
10.	Goals	<p>The student:</p> <ul style="list-style-type: none"> <li>-Learns the term health, how to keep it, better it, with special attention paid on women's health, children and the society</li> <li>-Learns the value of reproductive and gynecological health</li> <li>-Accepts the obstetric philosophy as a base of the educational and clinical part</li> <li>-Learns the role of the obstetrician as a part of the health team and to have a positive attitude towards the profession</li> <li>- Gains knowledge about the process of obstetrical health care from the aspect of clinical practice</li> <li>-gains knowledge and capability to participate in the diagnostic and treatment program</li> <li>-Gains knowledge about therapeutical communication</li> <li>-Gains professional, responsible, self-aware and humane behavior towards the patients, coworkers and the surroundings</li> <li>-Learns to dedicate himself towards continuous education to improve the profession for his own good and for the good of the patients</li> </ul>			
11.	Content summary: 60+40 classes	<p>Theoretical lessons:</p> <p>The notion of health for everyone, multidisciplinary approach to health – 2 classes</p> <p>Sexual and reproductive health – definitions, extent, sexual and reproductive health on primary, secondary and tertiary level of health protection – 2 classes</p> <p>Woman's reproductive health – 2 classes</p> <p>Puberty – 1 class</p> <p>Menstrual cycle – 1 class</p> <p>Disorders of the menstrual cycle – 1 class</p> <p>Reproductive factors that cause infertility – 2 classes</p> <p>Fertilization and implantation – 1 class</p> <p>Growth and development of the fetus – lunar months – 1 classes</p> <p>Artificial insemination – 1 class</p> <p>Introduction to obstetrics, history, philosophy – 2 classes</p> <p>Standards and principles of providing obstetrical care -2 classes</p> <p>Sterilization and disinfection – 1 class</p> <p>Traditional and modern methods in obstetrics – 2 classes</p> <p>The role of the obstetrician in the modern health systems – classes</p> <p>The role of the obstetrician in the health team – 1 class</p> <p>The role of the obstetrician in the antenatal period (advising before conception, detection and care during early pregnancy) – 2 classes</p>			

<p> Signs and detecting pregnancy – 1 class  Examinations of a pregnant woman – 1 class  Advice given to a pregnant woman – 1 class  Physiological changes during pregnancy – 2 classes  Acute diseases in a pregnant woman – 1 class  Chronic diseases in a pregnant woman – 1 class  Ectopic pregnancy – 1 class  Abortion – 1 class  Rh incompatibility – 1 class  Placenta – physiology – 1 class  Placenta previa – 1 class  Premature separation of the placenta – abruption – 1 class  Polihidramnion, oligohidramnion - 1 class  The role of the obstetrician in the antenatal period – antenatal detection of risks in pregnancy – 2 classes  Multiple pregnancy - 1 class  Intrauterine growth restriction - 1 class  Intrauterine fetal demise - 1 class  Early gestosis in pregnancy – 1 class  Hypertensive disorders in pregnancy - 1 class  Diabetes and gestational diabetes in pregnancy - 1 class  Position of the fetus - 1 class  Termination of pregnancy - 1 class  Premature birth – risks, diagnosis, treatment – 2 classes  Premature rupture of fetal membranes - 1 class  Anatomy of anthropoid pelvis - 1 class  Physiological changes in pregnancy - 1 class  Pelvis measurements and distance – practical use - 1 class  Bleeding in the 1st and 2nd trimester of pregnancy - 1 class  Bleeding in the 3rd trimester of pregnancy - 1 class  Peripartum hemorrhage during pregnancy - 1 class  Postpartum hemorrhage – early and late - 1 class  Handling the patient during hospital check in - 1 class  Taking the patient into the delivery room – 2 classes  Taking care of a patient in the pathological pregnancy department – 2 classes  Psycho-social support of a patient with high-risk pregnancy – 2 classes  Previous gynaecological conditions and pregnancy - 1 class  Noninvasive prenatal screening in pregnancy - 1 class  Invasive prenatal screening - 1 class  Pregnancy screening during the 3<sup>rd</sup> trimester – 2 classes  Psycho-physical preparation of the pregnant woman – 1 class  Cardiotocography – use, interpretation, Fisher score – 2 classes  Medical labour induction – 1 class  Mechanism of normal labor – 1 class  The role of the obstetrician during the delivery – 1 class  The role of the obstetrician in a 1<sup>st</sup> labour time – 1 class  The role of the obstetrician in 2<sup>nd</sup> labour time – 1 class  The role of the obstetrician in 3<sup>rd</sup> labour time – 1 class  The role of the obstetrician in 4<sup>th</sup> labour time – 1 class  Effective perinatal care – WHO concept – 2 classes  Vaginal surgical interventions during delivery – 2 classes </p>
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	<p>Episiotomy – 1 class  Breech birth – 1 class  Early postpartum period – specifics and risks – 1 class  Puerperium – normal – 2 classes  Puerperium – pathologies – 2 classes  Lactation and breastfeeding – 1 class  Preparing the house for the mother and the newborn -1 class  Paediatric examination and the vaccination schedule of the newborn -1 class  Filling in medical records – 2 classes</p> <p>Introduction to obstetrical and health care (delivery assistance in the form of women helping each other, delivery assistance as responsibility, traditional assistance during delivery, delivery assistance as a modern obstetrical method in the European union viz. European training system/traditional health care, professional identity of the obstetrician/medical nurse  Practice  Preparing standards of obstetrical/health care  Specialized obstetrical/health care: check-in, transfer, patient discharge, psycho-physical problems due to the hospitalization, hospital environment, preoperative preparation of the patient and helping the vitally endangered patients  Participation of the obstetrician in the diagnostic and therapeutic program  Specialized preparation of the obstetrician for dealing with patients with infectious diseases, internal diseases, psychological conditions</p>			
	<p><b>Practical lessons:</b>  -Advizing pregnant women with 40 prenatal examinations  -Obstetrical care and attending 40 normal spontaneous deliveries  -The student must perform 5 deliveries and to actively participate and assist in at least 5 deliveries  -Active participation – assisting during breech delivery, may be doll model  -attending and assisting in episiotomy and suture or small vaginal laceration  -Obstetrical care of 10 high-risk pregnancies or taking care of a healthy woman during delivery or taking care of the newborn in 30 deliveries</p> <p>-Preparing standards of obstetrical/health care  Specialized obstetrical/health care: check-in, transfer, patient discharge, psycho-physical problems due to the hospitalization, hospital environment, preoperative preparation of the patient and helping the vitally endangered patients  Participation of the obstetrician in the diagnostic and therapeutic program  Specialized preparation of the obstetrician for dealing with patients with infectious diseases, internal diseases, psychological conditions  In the practical lessons, the student learns under a teacher, medical associate or a mentor, who helps the student, firstly with assistance and then independently to evaluate and indentify the problems and then to solve them. The students should check their work in groups and change experiences.</p>			
12.	Teaching methods: Interactive classes, practical lessons, seminars Projects and other forms according to the ECTS criteria			
13.	Total classes:	625		
14.	Organization			
15.	Types of teaching activities	15.1	Lessons: theoretical classes	60 classes – I semester 40 classes – II semester
		15.2	Practice (laboratory, clinical),	Practice: 65 – II semester Seminars: /

			seminars, team work	
		15.3	Practical lessons	140 – I semester 320 – II semester
16.	Other types of activities		16.1	Projects
			16.2	Self-supporting practice
			16.3	Learning at home
17.	Knowledge assesment		Points	
	17.1	Tests	Regular checks of the knowledge points 18-30 Regular checks of knowledge mid-term exams: 4 written 1 and 2 – gynaecology questions, 3 and 4 – obstetrics questions	
		Final exam	<b>Oral exam:</b> min. – max. Oral part points 27 - 45 Practical part points 13 - 22	
	17.2	Seminars	Preparation of the seminar materials with interactive participation	
	17.3	Active participation	Min. – Max. Points Theoretical lessons 1 - 3 51%-60% 1 point 61%-85% 2 points 86%-100% 3 points Practical lessons 11 - 14 Seminars: /	
18.	Grading criterion (points/grades)	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.	Requirements for obtaining a signature and attending the final examination	To obtain a signature, the student must gain minimum points from visiting the theoretical and practical lessons.To attend the final exam, the student must pass the mid-term exams. In the exam session, the student must pass the midterm exams first, and then the final exam. 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, mid-term exams and final exam.		
20.	Language	Macedonian		
21.	Method of evaluating the quality of the lessons	Anonymous student evaluation of the subject, the professors and the collaborators who hold the lessons.		
22.	Literature			
	22.1	Mandatory literature		
		1.	Mladenovikj D. And col., Gynaecology and Obstetrics, Zavod za ucebnjike i nastavna sredstva, Belgrad, 2008	
		2.	Joachim W. Dudenhausen, Practical Obstetrics, De Gruyter, 2014	

		3.	Fraser Cooper Myles, Myles Textbook for Midwives 16th edition, Churchill Livingstone, 2014
	22.2	Additional literature	
		1.	Edited by Janet Medforth et al., Oxford Handbook of Midwifery, Oxford University Press – 3rd edition, 2017
		2.	Shirimbel, Practical Obstetrics, Medicinska Knjiga, Belgrad-Zagreb, 1985
		3.	Ristikj, Practical obstetrics, Freemental, Belgrad, 2001