

<i>Name of the course</i>	<b>CLINICAL ROTATION: GYNECOLOGY</b>			Code	MFMSE1205
<i>Type of study program Cycle</i>	Integrated university study program, Medicine			Year of study	VI
<i>Credits (ECTS):</i>	<b>5</b>	<i>Semester</i>	XII	Number of hours per semester (1+e+s)	100
<i>Status of the course:</i>	mandatory	<i>Preconditions:</i>		<i>Comparative conditions:</i>	/
<i>Access to course:</i>	Fifth year students			<i>Hours of instructions:</i>	According to schedule
<i>Course teacher:</i>	Tatjana Barisic, PhD, Assist. Professor				
<i>Consultations:</i>	As agreed with students				
<i>E-mail address and phone number:</i>	<a href="mailto:tbari711@gmail.com">tbari711@gmail.com</a> ; tatjana.barisic@mef.sum.ba				
<i>Associate teachers</i>	Dragan Soldo PhD, Assist. Prof., Vedran Bjelanović, PhD, Assist. Prof., Martina Orlović Vlaho PhD, Assist. Prof, Ivana Čuljak Blagojević, MD, Igor Karaban, MD, Ana Damjanović, MD				
<i>Consultations:</i>	As agreed with students				
<i>E-mail address and phone number:</i>					
<b><i>The aims of the course:</i></b>	<p>The aims of the course are:</p> <ul style="list-style-type: none"> <li>•diagnosing a normal pregnancy and managing a normal delivery,</li> <li>• participation in antenatal and postpartum care within the framework of primary health care,</li> <li>• recognition of pathological conditions in pregnancy and puerperium and their timely referral to institutions of higher levels of health care and</li> <li>• recognition and management of emergency conditions in gynecology and obstetrics.</li> <li>• special review of programs in the promotion of women's health.</li> </ul>				
<b><i>Learning outcomes(general and specific competences):</i></b>	<p>-recognizes the importance of a high level health care during pregnancy, as well as during and after childbirth and explains the meaning of antenatal care in developed and underdeveloped countries of the world.</p> <p>-connects and applies knowledge regarding the most common gynecological diseases and pathological conditions in pregnancy, labour and puerperium.</p> <p>- recognizes the importance of family planning and childbirth; applies the cervicovaginal smear taking (Pap test) on model and/or patient and interpretes cytological findings.</p> <p>- recognizes risk and dangerous factors for reproductive health including risk factors for the occurrence of malignant diseases of the reproductive organs, their prevention and early detection methods.</p> <p>-applies the gynecological and obstetric examination on model and/or patient.</p> <p>-develops the plan for management of the vaginal delivery as well as the third and fourth stage of labor on model.</p>				
<b><i>Course content(Syllabus):</i></b>	<p><b>Internship program</b></p> <p>Gynecological propaedeutics; menstrual cycle; amenorrhea and anovulation – polycystic ovary syndrome - clinical picture, diagnosis and treatment; menopause and hormone replacement therapy; abnormal bleeding from the uterus - causes, stage; inflammation of the female genital system - sexually transmitted diseases; endometriosis-clinical picture, diagnosis, treatment; early diagnosis of gynecological malignancies - clinical examination, ultrasound, cytology, colposcopy, tumor markers; benign and malignant tumors of the pubis, vagina and uterus - endometrial cancer; cervical dysplasia; cervical cancer; benign and malignant ovarian and tube tumors; pelvic floor defects - uterine descent and prolapse, cystocele; incontinence - static and urgent; minimally invasive surgery in gynecology; gynecological operations; family planning and contraception; treatment and treatment of infertility; emergency conditions in gynecology - causes, clinical picture, procedure.</p> <p><b>Clinical skills</b></p> <p>Taking general and reproductive history, review of medical documentation; placement in gynecological position; washing and disinfecting hands, putting on gloves; putting on sterile clothes for surgical procedures; inspection and description of external sexual organs; speculum placement and speculum examination - showing the fornix of the vagina</p>				

	<p>and the cervix; description of the cervix; taking swabs to determine the level of cleanliness of the vagina; taking vaginal and endocervical smears for cytological analysis - Papanicolaou; taking a cervical swab for bacteriological tests; bimanual palpation of internal genital organs;</p> <p>breast examination; gynecological ultrasound diagnostics; curettage, fractional curettage; detection of premalignant cervical lesions (inspection, colposcopy, biopsy, cytological and pathohistological analysis), diagnostic hysteroscopy; cervical polyp ablation; urodynamic processing; gynecological laparotomies - assistance; vaginal operations-assistance; laparoscopic operations; treatment of infertile marriage - detection and monitoring of ovulation (BT, folliculometry, evaluation of cervical mucus, cytohormonal status); spermiogram; HSG and ultrasound determination of fallopian tube patency; ovulation induction and stimulation; artificial insemination; IUD insertion; female sterilization; incomplete and abortion in progress.</p> <p><b>Fetal medicine and obstetrics:</b></p> <p><b>Internship program</b></p> <p>Maternity propaedeutics; antenatal care; nutrition during pregnancy; early disturbed pregnancy - spontaneous abortion, retained abortion, anembryonic pregnancy – clinical picture, diagnosis, treatment; ectopic pregnancy-clinical picture, stage; trophoblastic disease- clinical picture, diagnosis, stage; Rh immunization-prevention; multiple pregnancy-diagnosis, monitoring; diseases of the urinary system during pregnancy - diagnosis, treatment; cholestasis-clinical picture, diagnosis, monitoring and treatment; diabetes and pregnancy- preconception treatment, supervision and treatment procedure; hypertension in pregnancy- preeclampsia, eclampsia, HELLP syndrome; intrauterine fetal death - causes, complications, termination of pregnancy; anemia in pregnancy; bleeding in the second half of pregnancy - placenta praevia, - abruption of the placenta; premature birth – perinatal infections;</p> <p>mechanism and management of normal childbirth; supervision of the child during childbirth; anomalies of the position and position of the child, birth by breech; obstetric operations; caesarean section - absolute and relative indications; bleeding in the third and fourth stage of labor; physiology and pathology of puerperium; lactation; analgesia and anesthesia in childbirth; psychophysical preparation of pregnant women for childbirth; use of drugs during pregnancy; prenatal diagnostics (early amniocentesis, CVS); emergencies in obstetrics.</p> <p><b>Clinical skills</b></p> <p>Determining the date of delivery; routine obstetric controls (measurement of blood pressure and body weight: growth; determination of proteinuria; KS, KG, Rh, GUK, OGTT); external examination of the pregnant woman, F-S distance measurement; Leopold-Pavlik grips; Auscultation of the child's heart; FP counting; bimanual examination of the uterus, cervix and especially the cervix of a pregnant woman; USG in different stages of pregnancy (USG biometry, amount of amniotic fluid, stage of placenta maturation); preparing the mother for childbirth; supervision of the mother and the fetus during childbirth; CTG (placement of calotte and interpretation of records); Color Doppler ultrasound in pregnancy; childbirth management; signs of placental abruption and placental examination; peeling of residual placenta (manual, curettage); examination of the cervix and vagina after childbirth;</p> <p>suturing episiotomy; assisting with caesarean section; procedures during childbirth with a plug; birth of multiple pregnancy; vacuum extraction; provision and examination of the newborn, ligation of the umbilical cord; newborn resuscitation; care for healthy newborns; procedures with sick newborns.</p>			
<b>Format of instruction(mark in bold)</b>	Lectures	<b>Exercises</b>	<b>Seminars</b>	Independent assignments
	Consultations	Work with mentor	Field work	Other
<b>Student responsibilities</b>				
<b>Screening student work(mark in bold)</b>	<b>Class attendance</b>	<b>Class participations</b>	<b>Seminar essay</b>	Practical training
	Oral exam	Written exam	Continuous assessment	Essay
<b>Detailed evaluation</b> within a <i>European system of points</i>				

STUDENTS RESPONSIBILITIES	HOURS	PROPORTIONS OFECTS CREDITS	PROPORTIONS OF GRADE
Total			
<p>Further clarification:  <b>Final score:</b>  The final assessment is carried out according to the Regulation of Studies of the University of Mostar and applies to all study groups. According to the Regulations on studying final grade is obtained as follows:  A = 91-100% 5  B = 79 to 90% 4  C = 67 to 78% 3  D = 55 to 66% 2  F = 0 to 54% 1</p>			

<b>Required literature:</b>	<p>F. Gary Cunningham et all. 26th Edition. Williams Obstetrics. Mc Graw-Hill Companies, 2022.</p> <p>E. A. Reece and R. L. Barbieri. Obstetrics and Gynaecology: The Essentials of Clinical Care. Stuttgart &amp; New York: Thieme, 2010.</p>
<b>Optional literature:</b>	N.F. Hacker, et al. Essentials of Obstetrics & Gynecology. 6th Edition. Elsevier, 2016.
<b>Additional information about the course</b>	<p>The course Clinical rotation: Gynecology contains 100 hours and is performed during 2 weeks. Teaching consists of seminars and exercises. Students are required to actively participate in classes from seminars and exercises, where knowledge will be evaluated and continuously checked.</p> <p>The internship is carried out under the guidance of a mentor in the department, within the framework of all-day activities of that department (visits, morning meetings, work in the reception clinic, emergency reception, consular meeting, on-call, delivery room, operating rooms).</p> <p>The exam is taken after positive evaluation of class attendance and participations, and consists of the practical (examination of patients with interpretation) and oral part. Practical exam - students will use a clinical example to demonstrate understanding, treatment, diagnosis and therapy options for the relevant problem. The oral exam includes the most important, integrative units from gynecology and obstetrics. The oral exam does not examine detailed but integrative knowledge, which is essential for understanding the entire course and medical practice.</p> <p>Evaluation is descriptive (pass/fail).</p>

Annexes: calendar classes

<b>The number of teaching units</b>	<b>TOPICS AND LITERATURE</b>
<b>I.</b>	<p>Title: S1) Gynecological history and examination. Diagnosis of pregnancy</p> <p>Short description:</p> <p>Literature: F. Gary Cunningham et all. 26th Edition. Williams Obstetrics. Mc Graw-Hill Companies, 2022.</p>
<b>II.</b>	<p>Title: S2) Antenatal care. Differential diagnosis of convulsions in pregnancy</p> <p>Short description:</p> <p>Literature: F. Gary Cunningham et all. 26th Edition. Williams Obstetrics. Mc Graw-Hill Companies, 2022.</p>
<b>III.</b>	<p>Title: (S3) Preterm delivery</p> <p>Short description:</p> <p>Literature: F. Gary Cunningham et all. 26th Edition. Williams Obstetrics. Mc Graw-Hill Companies, 2022.</p>
<b>IV.</b>	<p>Title: (S4) Emergencies in obstetrics</p> <p>Short description:</p> <p>Literature: F. Gary Cunningham et all. 26th Edition. Williams Obstetrics. Mc Graw-Hill Companies, 2022.</p>
<b>V.</b>	<p>Title: S5) Postnatal care. Pathology in the puerperium</p> <p>Short description:</p>

	Literature: F. Gary Cunningham et al. 26th Edition. Williams Obstetrics. Mc Graw-Hill Companies, 2022.
<b>VI.</b>	Title: S6) Contraception. Irregular uterine bleeding
	Short description:
	Literature: F. Gary Cunningham et al. 26th Edition. Williams Obstetrics. Mc Graw-Hill Companies, 2022.
<b>VII.</b>	Title: E1-80) Practical work under supervision
	Short description:
	Literature: