

GYNECOLOGY AND OBSTETRICS	
GENERAL INFORMATION	
Course coordinator	Professor Siniša Šijanović, MD, PhD
Assistant/Associate	Professor Slavica Kvolik, MD, PhD Professor Vesna Milas, MD, PhD Assoc. Prof. Milanka Mrčela, MD, PhD Assoc. Prof. Zlatko Topolovec, MD, PhD Assoc. Prof. Valerija Miličić, MD, PhD Asst. Prof. Andrijana Müller, MD, PhD Asst. Prof. Domagoj Vidosavljević, MD, PhD Mirta Kadivnik, MD, PhD Iva Milić Vranješ, MD, PhD Martina Vulin, MD Zoran Kasač, MD Maja Košuta Petrović, MD Viktorija Mandić Petrović, MD Ivana Piškur, MD Vinka Rupčić Rubin, MD Katarina Černohorski, MD Dina Šišljagić, MD
Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Mandatory
Year of study, semester	6 th year, 11 th semester
ECTS	12
Workload (hours)	Lectures (55); Seminars (45); Exercises (100)
Expected number of students	70
COURSE DESCRIPTION	
Course objectives	
Students will be presented with a normal structure in the functioning of the reproductive system, as well as disorders in the structure and function of the reproductive system, as well as basic clinical pictures of the most common diseases in the field of gynecology and obstetrics. Students will be trained to understand the pathophysiological basis and symptomatology of the most common gynecological diseases, disorders in pregnancy and childbirth, with the aim of applying the above-mentioned contents in the health care of mothers and children.	
Enrolment requirements and entry competencies	
There are no special requirements for this course except those defined by the curriculum of the entire study program.	
Learning outcomes at the Programme level	
1.1., 1.2., 2.1., 2.2., 2.3., 3.1., 3.2., 3.4., 4.2.	
Learning outcomes (5-10)	
After successfully completing the course, students will be able to:	
<ol style="list-style-type: none"> 1. argue the physiological processes of the menstrual cycle, fertilization, pregnancy and childbirth, as well as their disorders; 2. recognize and explain the most common symptoms of gynecological diseases and undertake 	

- appropriate procedures important in diagnosis and treatment;
3. assess and diagnose marital infertility
 4. recognize and diagnose neoplasms of the female reproductive system
 5. recognize and diagnose emergency conditions in gynecology and obstetrics
 6. recognize and intervene in newborn disorders;
 7. interpret the legal regulations in the Republic of Croatia related to abortion and sexual intercourse with a minor;
 8. carry out education on methods of prevention of sexually transmitted diseases and methods of primary and secondary prevention of malignant diseases of the female genital system;
 9. conduct education about contraception.

Course content

Lectures

Anatomy of female genital organs. Genital differentiation. Fertilization, transport and nidation. Menstrual cycle. Physiological changes in the genital organs during the menstrual cycle. Disorders of the menstrual cycle. Postmenopause. Sexually transmitted diseases and pelvic inflammatory disease. Acute and chronic inflammations of the female genital system. Ectopic pregnancy. Marital infertility. Methods of assisted fertilization. Hormones in human reproduction. Cervical intraepithelial neoplasia and screening methods. Cervical cancer. Trophoblastic disease. Benign and malignant neoplasms of the ovary and the stage of treatment. Myomas and sarcomas of the uterus. Neoplasms of the vulva and vagina. Endometrial cancer. Fallopian tube cancer. Diagnosis and physiological changes in pregnancy. Abortions; threatening and habitual. Pregnancy and childbirth. The mechanism of childbirth. Labor, child, birth canal. Fetal monitoring during pregnancy and childbirth. Ways of completing childbirth. Pathological changes in pregnancy and childbirth. Newborn supervision. Puerperium. Functions and development of the placenta. Fruit development. Fetal hypotrophy. Physiology and pathology of amniotic fluid; oligohydramnios and polyhydramnios. Premature birth. Bleeding in advanced pregnancy. Placenta praevia. Abruption of the placenta. Emergencies in obstetrics. Diabetes and pregnancy. Gestational diabetes. Hypertension in pregnancy. Preeclampsia. Eclampsia. Multiple pregnancies. Prenatal diagnosis of fetal anomalies. Immunization during pregnancy. Obstetric operations. SIAI. PAPA test: detection of intraepithelial and early invasive lesions of the cervix, PAPA test: evaluation of cytohormonal status and detection of microorganisms. Cytology of the vulva, vagina, endometrium and ovaries. Course of gynecological pathology.

Seminars

Endoscopy in gynecology. Endometriosis. Polycystic ovary syndrome. Principles of treating an infertile couple. Family planning. Contraception. Epidemiology and risk factors for CIN and cervical cancer. National cervical cancer prevention program. Neoplasms of the vulva and vagina. Endometrial cancer. Cervical and endometrial polyps. Diagnosis and treatment of breast diseases. Application of chemotherapy in oncology patients suffering from gynecological cancers. Radiotherapy in patients with gynecological cancer. Acute abdomen in gynecology. Urogynecology. Use of drugs during pregnancy. Chronic diseases and pregnancy. Induction of labor. Infectious diseases and pregnancy. Abnormalities of the position and furniture of the fetus. Normal childbirth and methods of completing childbirth. Ultrasound diagnostics in obstetrics. Mr. N. Papanicolau – life and work. Causative agents of urogenital infections in the PAPA smear. Endometrial cytology. Anesthesia in gynecology and obstetrics. Newborn care, resuscitation. Work in an IVF laboratory.

Clinical exercises

In the field of human reproduction, gynecological oncology, fetal medicine and obstetrics, urogynecology, gynecological and obstetric ultrasound, basic knowledge of colposcopy.

Mode of teaching																
Lectures, Seminars; Clinical Exercises																
Student obligations																
Students are expected to attend all class sessions, as well as to take all the examinations. However, they are allowed for excused absences, totalling 30% of all classes.																
Monitoring student work (alignment of learning outcomes, teaching methods, and grading)																
Teaching activity	ECTS	Learning outcome	Student activity	Assessment methods	Grade points											
					Min.	Max.										
Class attendance	2	1-9	Class attendance; exercises	Evidence sheet; evaluation	2	6										
Seminars	2	1-9	Attendance and active participation in seminars by preparing a seminar presentation	Assessment of the quality of the seminar presentation	9	22										
Exercises	2	1-9	Attendance and active participation in exercises	Exercises diary	9	22										
Final exam	6,0	1-9	Learning for the exam	Oral exam	30	50										
Total	12				50	100										
<i>Evaluation of the final exam (essay):</i>																
			<table border="1"> <thead> <tr> <th>Student answer</th> <th>Grade points</th> </tr> </thead> <tbody> <tr> <td>The answer meets the minimum criteria</td> <td>30.0</td> </tr> <tr> <td>The average answer with noticeable errors</td> <td>37.0</td> </tr> <tr> <td>The very good answer with minor errors</td> <td>44.0</td> </tr> <tr> <td>The exceptional answer</td> <td>50.0</td> </tr> </tbody> </table>				Student answer	Grade points	The answer meets the minimum criteria	30.0	The average answer with noticeable errors	37.0	The very good answer with minor errors	44.0	The exceptional answer	50.0
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<i>Calculation of final grade:</i>																
Based on the total sum of the points awarded during the course and the final exam, the final grade is determined according to the following distribution:																
A – excellent (5): 90-100 grade points;																
B – very good (4): 70-79,99 grade points;																
C – good (3): 60-69,99 grade points;																
D – sufficient (2): 50-59,99 grade points																
Required reading (available in the library and through other media)																
Title			Number of copies in the library	Availability through other media												
1.Šimunić V, i sur. Ginekologija. Zagreb: Medicinska biblioteka;			10													

2001.		
2. Kuvačić I, Kurjak A, Đelmiš J i sur. Porodništvo. Zagreb: Medicinska naklada; 2009.	5	
3. Habek D. Ginekologija i porodništvo. 2. hrv. izd. Zagreb: Medicinska naklada; 2017.	0	
Additional reading		
<p>1. Kopjar M, Fureš R, Šijanović S. Minimalno invazivna ginekološka kirurgija. Osijek: Fakultet za dentalnu medicinu i zdravstvo; 2020.</p> <p>2. Včev A, Burton N. Objektivno strukturirano kliničko ispitivanje – OKSI. 1. hrv. izd. Osijek: Medicinski fakultet Osijek; 2015.</p> <p>3. Karelović D. i sur. Infekcije u ginekologiji i perinatologiji. Zagreb: Medicinska naklada; 2012.</p>		
Course evaluation procedures		
Anonymous, quantitative, standardized student survey providing feedback on the course as well as on the work of course coordinators and their assistants/associates is being conducted by the QA Office of the Faculty of medicine Osijek.		
Note /Other		
E-learning does not count towards course contact hours, but is being used in teaching and comprises links to various web pages, as well as video and audio materials available on web pages.		