# UNIVERSITY OF BANJA LUKA
# FACULTY OF MEDICINE
# Department of Gynecology and Obstetrics

| School year | Subject | Subject code | Study program | Study cycle | Year of study | Semester | Number of students | Number of exercise groups |
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| 2026/2027. | **Gynecology and obstetrics** | ISM22GO | Medicine | First | Fifth | IX | | 2 |

**Lecture plan and schedule**

| week | lecture | Tematic unit | day | date | time | venue | h | Teacher |
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| **I** | **L1** | Female genitalia. Introductory lecture; the significance of gynecology and obstetrics in medicine and society.<br>Anatomy of the female pelvis; external and internal genital organs. Blood vessels, lymphatic vessels, and innervation.<br>The pelvis. Normal development and developmental anomalies of the female genital organs. | Tuesday | 20.10.2026. | 11.00-12,30 | HALL 9 | 2 | Prof dr Vesna Ećim-Zlojutro |
| **II** | **L2** | Physiology of the female reproductive organs. Sex hormones in gynecology. Steroidogenesis, ovarian function (role of the pituitary gland, hypothalamus, ovaries, and others endocrine glands). Menstrual cycle (ovarian, uterine, vaginal). Sexual maturation and stages of a woman's | **Tuesday** | 27.10.2026. | 11,00-12,30 | HALL 9 | 2 | Prof dr Vesna Ećim-Zlojutro |

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| | | life. Puberty, reproductive age, climacteric, and senium.<br>Most common pathological conditions at specific life stages. | | | | | | |
| **III** | **L3** | Ovarian function disorders. Menstrual cycle irregularities (anomalies of rhythm and type, acyclic bleeding, persistent follicle). Hormonal therapy in gynecology. Amenorrhea, premenstrual syndrome, dysmenorrhea. Classification, diagnosis, and treatment of amenorrhea. Premenstrual syndrome and dysmenorrhea. | Tuesday | 3.11.2026. | 11,00-12,30 | HALL 9 | 2 | Prof dr Vesna Ećim-Zlojutro |
| **IV** | **L 4** | Miscarriage. Classification, causes, clinical forms, and treatment of spontaneous miscarriages. Methods of terminating early and advanced pregnancies, consequences, and the importance of miscarriage prevention.<br>Ectopic pregnancy. Classification, causes, clinical presentation, diagnosis, and treatment of ectopic pregnancy. Endometriosis. Classification, pathophysiology, clinical... | Tuesday | 10.11.2026. | 11,00-12,30 | HALL 9 | 2 | Prof dr Vesna Ećim-Zlojutro |

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| **V** | **L 5** | Diagnostic procedures in gynecology. Bimanual examination, speculum examination, additional gynecological examinations and procedures (cytodiagnostics, colposcopy, ultrasound, HSG, laparoscopy, CT, and MRI). | **Tuesday** | 17.11.2026 | 11,00-12.30 | HALL 9 | 2 | Prof dr Vesna Ećim-Zlojutro |
| **VI** | **L 6** | Position of the female internal genital organs. Normal position and static disorders (descent of vaginal walls, cystorectocele, uterine descent and prolapse). Stress incontinence and urodynamics in gynecological practice. | Tuesday | 24.11.2026. | **11,00-12,30** | HALL 9 | 2 | Prof dr Vesna Ećim-Zlojutro |
| **VII** | **L 7** | Infections and inflammation of the lower genital tract. Inflammation of the vulva, vagina, and cervix; bacterial vaginosis. Sexually transmitted diseases – causative agents, clinical manifestations, diagnostics. | Tuesday | 1.12.2026 | 11:00-12:30 | HALL 9 | 2 | Prof dr Vesna Ećim-Zlojutro |

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| **VIII** | **L 8** | Infections and inflammation of the upper genital tract. Inflammation of the uterine mucosa and body of the uterus. Inflammation of the adnexa, parametrium, and pelvic peritoneum; tubo-ovarian abscess and abscess of the pouch of Douglas: causative agents, clinical presentation, diagnosis, and therapy.<br>Acute abdomen in gynecology. Etiology (ectopic pregnancy, adnexal torsion, peritonitis).<br>Differential diagnosis and treatment. Early and late complications and sequelae. | Tuesday | 8.12.2026 | 11:00-12:30 | HALL 9 | 2 | Prof dr Vesna Ećim-Zlojutro |
| **IX** | **L 9** | Genetics in gynecology. Genetic disorders in gynecology. Sex determination and intersexuality (true hermaphroditism, female-male pseudohermaphroditism, **gonadal dysgenesis, Klinefelter syndrome) Clinical, laboratory, cytogenetic and histological findings** | **Saturday** | 18.12.2026. | 16,00-17,30 | Amphitheater<br><br>Clinic for gynecology and obstetrics | 2 | Ass prof Zoran Vilendečić |

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| **X** | **L 10** | Tumors of the female genital organs. Benign tumors of the vulva, vagina, uterus and fallopian tubes. Vulvar dystrophy (pruritus, kraurosis, leukoplakia). Cervical dysplasia. Endometrial hyperplasia and polyps. Early diagnosis - screening methods for diagnosing malignant diseases of the female genital organs. | Saturday | 18.12.2026. | 17:15-18,45 | Amphitheater Clinic for gynecology and obstetrics | 2 | Ass prof Zoran Vilendečić |
| **XI** | **L 11** | Malignant diseases of the female genital organs (vulva, vagina, cervix, uterine corpus and fallopian tubes). Benign and malignant ovarian tumors. Therapy of benign and malignant diseases of the female genital organs (surgical, radiation, cytostatic) | Sunday | 19.12.2026 | 8,30-10,00 | Amphitheater<br>Clinic for gynecology and obstetrics | 2 | Ass prof Zoran Vilendečić |
| **XII** | **L12** | Gestational trophoblastic diseases. Breast diseases. Developmental disorders, inflammatory processes, dysplasias. Benign and malignant tumors. Diagnostics and treatment. | **Sunday** | **19.12.2026** | **10,15-11,45** | Amphitheater<br>Clinic for gynecology and obstetrics | | **Ass prof Zoran Vilendečić** |

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| **XIII** | **L 13** | Infertility.<br>Definition of primary and secondary infertility. Causes of female and male infertility. Semen analysis and semen culture. Diagnostic procedures (hormone assays, ultrasound folliculometry, HSG, hysteroscopy, endometrial biopsy, laparoscopy). Treatment: Assisted reproductive technology. Indications, risks, and success rates. | Tuesday | **29.12.2026** | **11,99-12-30** | HALL 9 | | **Prof dr Vesna Ečim-Zlojutro** |
| **XIV** | **L 14** | Family planning and contraception. Importance of family planning. Types of contraception (hormonal and non-hormonal) | **Tuesday** | 12.1.2027. | 11,00-12,30 | **HALL 9** | 2 | **Prof. Vesna Ećim – Zlojutro** |
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L1, L2, ...., L14 – Lecture one, Lecture two, ..., Lecture fifteen, H – Classes

Preliminary: The 1st test will be held on 19.01.2027 at 09:00 in the amphitheater of the Clinic for Gynecology and Obstetrics, UKC