[Medicinski fakultet u Rijeci]

Curriculum
2022/2023

[Za kolegij]

Gynecology and Obstetrics

Study program:	**Medical Studies in English (R)** [Sveučilišni integrirani prijediplomski i diplomski studij]
Department:	**[Katedra za ginekologiju i opstetriciju]**
Course coordinator:	**izv. prof. dr. sc. Brnčić-Fischer Alemka, dr. med.**
Year of study:	**6**
ECTS:	**12**
Incentive ECTS:	**0 (0.00%)**
Foreign language:	**Possibility of teaching in a foreign language**

Course information:

Gynecology and Obstetrics is a compulsory course in the sixth year of the Integrated undergraduate and graduate university study of Medicine in English and consists of 90 hours of lectures, 30 hours of seminars and 80 hours of practicals, which totals 200 hours (12 ECTS). Lectures are held for the entire generation of students in a lecture room (online if necessary), seminars are held also for entire generation of students, and practicals are held at different locations of the Clinic (11 sites) with four to five students per one group. During the first week of exercises in the morning shift, according to the schedule, students will do exercises at 11 workplaces. After the first week of exercises, each student will do two (2) 24-hour shifts at the Clinic for Gynecology and Obstetrics, new hospital on Sušak These forms of teaching are mandatory. Classes are held entirely at the Department of Gynecology and Obstetrics and the Clinic for Gynecology and Obstetrics of the Clinical Hospital Center Rijeka, address is Vjekoslava Dukića 7 on Sušak.

Course aim: Acquisition of basic knowledge and skills in the fields of gynecology, obstetrics, fetal medicine, neonatology, gynecologic cytology, and human reproduction. Special emphasis is placed on the diagnosis of a normal pregnancy and management of normal labor, participation in antenatal and postpartum care within primary health care. Identification of pathologic conditions during pregnancy and puerperium and timely referral of pregnant women to institutions of higher healthcare levels. Counseling and preventive measures aimed at the protection of women's general and reproductive health. Identification of basic gynecologic disorders and raising awareness of the importance of early diagnosis and early initiation of appropriate treatment. Organization and expediency of screening for cervical cancer and knowledge of basic principles and methods in gynecologic cytology. Knowledge of basic family planning methods such as the prevention of unwanted pregnancies. In the field of human reproduction, timely consideration of the problem in couples with reduced fertility is determined so that appropriate treatment can be started immediately. Acquisition of the basics for postgraduate training through study, specialization, continuing medical education and lifelong learning. Acquisition of the basics for conducting scientific and research work.

Course content:

Obstetrics: Fertilization, implantation, and early pregnancy diagnosis. Development and functions of the placenta. Antenatal care and supervision of normal pregnancy. Prenatal diagnostics and fetal therapy. Normal labor and mechanisms of labor. Pathology of labor and obstetric surgery. Fetal surveillance in pregnancy and labor. Physiology and pathology of puerperium. Spontaneous abortions and gestational trophoblastic disease. Pregnancy infections and intraamniotic infection (IAI). Hematological, vascular, and surgical disorders in pregnancy. Postpartum hemorrhage – causes, diagnostics, and treatment. Gestational diabetes. Placental insufficiency and fetal growth restriction. Hypertensive disorders in pregnancy. Rh isoimmunization.

Neonatology: Newborn medical care.

Gynecology: Periods in a woman's life. Anatomy of the pelvis and perineum. Menstruation and menstrual disorders. Disorders of the vulva, vagina, cervix and body of the uterus, fallopian tubes and ovaries. Gynecologic surgeries. Gynecologic oncology. Gynecologic urology. Pelvic inflammatory disease and endometriosis. Sexually transmitted infections in gynecology.

Human reproduction: Features of human reproduction. Family planning and fertility regulation. Diagnosis and treatment of infertility. Medically assisted reproduction. Endocrine disorders in reproductive age. Perimenopause and menopause.

Gynecologic cytology: cytology in gynecology and obstetrics.

Course teaching: Classes are held in the form of lectures, seminars and practicals. Lectures are the first teaching activity held throughout 15 days. Lectures are held in the lecture room of the Clinic for Gynecology and Obstetrics, Clinical Hospital Center Rijeka (fifth floor). This is followed by the first test in the form of a written midterm exam (theoretical knowledge) (November 2024). Practicals and seminars are held at 11 sites according to the teaching plan. Students are required to wear a white coat and a skirt/trousers when entering operating rooms at the Clinic and the delivery room. During teaching, the teacher demonstrates and briefly explains the skills planned for each practical related to the preparation unit. In the Skills Lab, supervised students practice the skills according to the teaching plan. During the practicals is scheduled oral midterm exam (practical knowledge). Seminars are held in the lecture room of the Clinic (online if necessary). For seminars, students need to prepare topics published in the course schedule and are expected to actively participate. Assessment during classes consists of a written midterm exam (theoretical knowledge) and an oral midterm exam (practical knowledge). At the end of the course, the student takes an oral final exam. The first date for the oral final exam is December and the second date is in February. By completing all course activities and passing the mandatory midterm exams and the oral final exam, the student acquires 12 ECTS credits.

List of assigned reading:

1. Charles RB Beckmann et. al. *Obstetrics and Gynecology,* Seventh edition.Lippincott Williams & Wilkins, 2013.

2. Obstetrics by Ten Teachers, 20th Edition, LCKenny, JEMyers. CRC Press 2017.

List of optional reading:

1. F. Gary Cunningham et al. *Williams Obstetrics*. Twenty-third edition. McGraw-Hill Companies, 2010.

2. Jonathan S. Berek. *Gynecology.* Fourteenth edition. Lippincott Williams & Wilkins, 2007.

3. Jonathan S. Berek & Neville F. Hacker. Practical *Gynecology Oncology*. Fifth edition. Lippincott Williams & Wilkins, 2010.

4. Hugh S Taylor, Lubna Pall, Emre Seli. Speroff's Clinical Gynecologic Endocrinology and Infertility, Ninth edition. Lippincott Williams & Wilkins, 2020.

Curriculum:

Student obligations:

Students are obligated to regularly attend and actively participate in all forms of classes. They must bring a clean ironed white coat to the practicals. For attending practicals in the operating rooms, students must change into official clean uniforms in the locker rooms of the operating room. Students must bring a white coat and skirt/trousers to attend practicals in the delivery room.

Exam (exam taking, description of the written/oral/practical part of the exam, point distribution, grading criteria):

Evaluation (ECTS credit system):

Student grading is conducted according to the current Ordinance on Studies of the University of Rijeka and the Ordinance on Student Assessment and Evaluation at the Faculty of Medicine in Rijeka (approved by the Faculty Council).

Student work is assessed and evaluated during classes and on the final exam. Students can obtain 50 grade points during classes and 50 grade points on the final exam, which totals 100 grade points. Students are graded according to the ECTS (A–E) and numerical system (1–5). Grading within the ECTS system is performed according to absolute distribution.

Out of a maximum of 50 grade points possible to obtain points during classes, the student must obtain a minimum of 25 grade points in order to take the final exam.

A student who doesn't obtain 25 grade points during classes cannot take the final exam and must retake the course.

Students who don't obtain 25 grade points during classes and students who aren't satisfied with the grade obtained on the written and oral midterm exam will have the opportunity to retake the midterm exam in the scheduled time before the third exam period in July 2025.

a. Attendance at lectures, seminars and practicals is mandatory but not evaluated with grade points. The student obtains the grade points by taking two midterm exams.

I. A maximum of 50 grade points can be obtained during classes:

a. Attendance at lectures, seminars and practicals – not evaluated by grade points.
b. Compulsory written midterm exam (theoretical knowledge) – up to 25 points. The test is comprised of up to 100 questions.
c. Compulsory oral midterm exam (practical knowledge) – up to 25 points. The student is evaluated with a grade 1–5.

a. Attendance at lectures, seminars and practicals

Attendance at lectures, seminars and practicals is compulsory, but it isn't evaluated with grade points. Attendance will be checked and recorded in specially prepared forms. A student can be absent from up to 30% of classes provided they have a justifiable cause, which is justified by a medical certificate or another document. If a student is justifiably or unjustifiably absent from more than 30% of theoretical classes – lectures, they cannot continue to attend the course and cannot take the final exam. In that case, the student obtains 0 ECTS credits and an F grade.

b. Compulsory written midterm exam (theoretical knowledge)

After attending lectures (48), the student is obligated to take a written midterm exam (theoretical knowledge), on which they can obtain up to 25 points. The midterm exam will be held on November 6th, 2024. in the premises of the Department of Gynecology and Obstetrics, that is, the Hospital for Women and Children, Vjekoslava Dukića 7 and ev. additional spaces considering the total number of students attending the course.

Based on the 60-question test, the distribution of points is the following:

- correct answers:

31–33 12.5 grade points

34–36 13 grade points

37-38 14 grade points

39-40 15 grade points

41-42 16 grade points

43-44 17 grade points

45-46 18 grade points

47-48 19 grade points

49-50 20 grade points

51-52 21 grade points

53-54 22 grade points

55-56 23 garde points

57-58 24 grade points

59-60 25 grade points

In case the student receives the grade *insufficient* or isn't satisfied with the grade obtained (which they must reject by signing a specially prepared form), they can retake the written midterm exam in December 2024 or January 2025, when the date will be agreed upon and announced (before taking the final oral exam).

c. Compulsory oral midterm exam (practical knowledge)

After attending practicals and seminars an oral midterm practical exam will be held on the November 19th and 20th 2024. at the Department of Gynecology and Obstetrics (Clinic for Gynecology and Obstetrics). The student will be evaluated with a grade 1–5 and grade points as follows:

sufficient (2) 12.5 grade points

good (3) 17 grade points

very good (4) 20 grade points

excellent (5) 25 grade points

In case the student receives the grade *insufficient* or isn't satisfied with the grade obtained on the oral midterm practical exam (which they must reject by signing a specially prepared form), they can retake the oral midterm exam in December 2024 or January 2025, when the date will be agreed and announced (before taking the final oral exam).

In case the student doesn't pass one of the two midterm exams in the second attempt or doesn't obtain at least 25 grade points in the second attempt, they cannot take the final exam. The student can retake the midterm exam(s) on one of the final exam terms (July and September 2024). In that case, the student cannot register for that final exam term but can register for the next exam term.

II. Final exam (a maximum of 50 grade points)

The final exam is oral. The student can obtain a maximum of 50 grade points on the final exam.

The final exam can be taken by:

■ students who have obtained a minimum of 25 grade points or more during the course.

The following students cannot take the final exam:

■ Students who didn't obtain a single grade point during classes don't have the right to take the final exam (they must re-enroll in the course in the next academic year).

■ Students who obtained up to 24 grade points and failed to pass the retaken midterm exams during the academic year don't have the right to take the final exam (they must re-enroll in the course in the next academic year).

■ Students who, according to the attendance record, missed more than 30% of classes don't have the right to take the final exam (they must re-enroll in the course in the next academic year).

Students who obtained at least 25 grade points during classes and didn't successfully pass the oral final exam have the right to reapply for the final exam in the next exam term.

Success in the oral final exam is converted into grade points as follows:

Insufficient (1) 0

Sufficient (2) 20

Good (3) 30

Very good (4) 40

Excellent (5) 50

To pass the oral final exam and acquire the right to final assessment (including the addition of previously obtained grade points during the course on midterm exams), the student must be positively assessed in the oral exam (at least 20 grade points) with a total score of 50%.

According to the recommendation of the University, the student can reject a positive grade in the oral final exam. In that case, the student signs a specially prepared form by which they accept the grade *insufficient* and commits to take the exam on one of the three possible exam terms.

Assessment in the ECTS system is performed by absolute distribution, i.e., based on the final result, and grade points and grades are transferred into numerical system in accordance with the Decision on Amendments to the Ordinance on Studies of the University of Rijeka (Article 29):

A 90.0–100.0% excellent (5)

B 75.0–89.9% very good (4)

C 60.0–74.9% good (3)

D 50.0–59.9% sufficient (2)

F 0–49.9% insufficient (1)

Other notes (related to the course) important for students:

Teaching content and all information regarding the course and exam terms can be found on the website of the Faculty of Medicine in Rijeka (http://www.medri.uniri.hr/).

COURSE HOURS 2022/2023

Gynecology and Obstetrics

List of lectures, seminars and practicals:

EXAM DATES (final exam):
