

26782 - Obstetrics, Gynecology and Family Medicine

Syllabus Information

Academic Year: 2019/20

Subject: 26782 - Obstetrics, Gynecology and Family Medicine

Faculty / School: 104 -

Degree: 304 - Degree in Medicine

ECTS: 10.0

Year: 5

Semester: First semester

Subject Type: Compulsory

Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course includes 7 ECTS (175 hours) and is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as:

Face-to-face teaching (45%): 3.15 ECTS: 78.15 hours

1. Large groups (45%): 35.44 hours (1.42 ECTS). Masterclasses: Lectures assisted with appropriate audiovisual media.
2. Small groups. (45%): 1.42 ECTS (35.44 hours):
 - Seminars: (30%): 0.43 ECTS: (10.63 hours). Face teaching based on clinical situations as a starting point for the study of the proposed topics. (Specific program). Supported by the ADD.
 - Clinical skills workshops: (20%): 0.28 ECTS (7.09 hours). Focused on teaching based on learning clinical skills to perform specific clinical examinations, pathological data collection, interpretation and make a correct diagnosis. Work experience in clinical skills in our simulation classrooms.
 - Clinical case resolution workshops: 0.28 ECTS (7.09 hours). Formulation of diagnostic and therapeutic guidance based on their prior knowledge. Using computer simulators in which individual students can diagnose diseases from

data provided by the teacher.

- Guided work (20%): 0.28 ECTS (7.09 hours). Conducting research and/or review works by the students gathered in groups, under the tutorship of teachers.
- Tutorials: (10%): 0.14 ECTS (3.54 hours). Staff and/or telematics interview with the teacher/tutor (academic guidance, information and guidance skills to be acquired).

Evaluation. (10%): 0.32 ECTS (7.88 hours). Performance of tests for verifying the acquisition of knowledge and skills.

Distance teaching: (55%): 3.85 ECTS: 96.25 hours. Individual work and study based on different sources of information.

FAMILY MEDICINE

It includes the following educational activities required for their development of 3 ECTS (75 hours):

Classroom teaching

Face teaching of family medicine represents 45% of teaching (1.35 ECTS equivalent to 15.19 hours) and is based on the study and student activities carried out together with the teachers of the subject:

- Large groups: (45%) with 0.61 allocations equivalent to 15.19 hours ECTS. Lectures assisted with audiovisual media Suitable (blackboard, computer, projector, etc.).
- Small groups: (45%) with 0,61 ECTS allocation equivalent to 15.19 hours distributed in the following activities:
 - Seminars (30%): Classroom Teaching based on common clinical situations in common practice as a starting point for the study of the proposed topics. It values the participation and responses to the questions posed by the teacher. We use methodologies that encourage student's participation. Using media to know and record the response and participation of students. We review and update groups specific pathologies. It costs 0.18 allocation equivalent to 4.56 hours ECTS.
 - Workshops: (20%) face to face meeting teacher and student groups aimed at based teaching-learning clinical skills to perform the specific clinical examinations, pathological data collection, interpretation and make a correct diagnosis. Work experience in clinical skills center simulation. It costs 0.12 allocation equivalent to 3.04 hours ECTS.
 - Resolution of clinical cases (20%): diagnostic formulation based on their prior knowledge of semiotics. Logical therapeutic orientations according to the formulated diagnostics. It costs 0.12 allocation equivalent to 3.04 hours ECTS.
 - Directed and/or review work (20%): Making individual and/or work in a group. Subsequent public presentation of the work and/or revisions made. The Employment of computer simulators in which students individually diagnose illnesses from data provided by teachers. It costs 0.12 allocation equivalent to ECTS 3.04 hours.
 - Tutorials: (10%): Personal interview and/or telematics with the teacher/tutor (academic orientation, information and guidance skills to be acquired). 0.14 allocation ECTS equivalent to 3.38 hours.
- Evaluation. (10%): 0.45 ECTS (11.25 hours). Conduct of the various tests described in the start of the course with respect to the objectives and evaluation criteria, and the weight that various activities will have on the final mark for verification of the acquisition of theoretical, practical skills and other skills. It costs 0.45 allocation equivalent to ECTS 11.25 hours.

Not face teaching

Non-contact teaching Family Medicine represents 55% of teaching (1.65 ECTS equivalent to 41.25 hours) and is based on the study and the activities undertaken by the student based on different sources of information and the individual work.

4.2.Learning tasks

The course includes the following learning tasks:

Lectures

? Synthetic, sequential and motivating presentation of the key aspects of the contents of the course through the oral presentation with or without audiovisual support, and with the material contributed by each teacher to through the ADD. Its objectives are the transmission of knowledge, offering a critical approach to Obstetrics and Gynecology that lead the students to reflect and discover the relationships between the different concepts, forming a critical mindset in how to deal with problems and the existence of a method of analysis and contrast of knowledge.

Clinical skills workshops (simulation practices)

? The main objective of the clinical skills workshops is that the student acquires the ability to perform the regular physical examinations in clinical practice in Obstetrics and Gynaecology in the context of a clinical scenario raised by the professor at the beginning of the workshop. For this purpose, simulation models are used to perform the clinical examination during pregnancy, childbirth, genital examination female and mammary exploration.

Clinical scenario workshops (simulation practices)

? Designed to improve the knowledge and clinical skills of the student through the approach and resolution of clinical cases fostering collaborative work and shared responsibility, as well as the public presentation of the tasks performed.

Guided works

? Students will perform a scientific review, critical analysis of a scientific publication or

Original related to the content of the subject Obstetrics and Gynecology. The work will be done by a group of students whose composition is free, although it must consist of a minimum of 3 and a maximum of 5 students. Students will develop the activity under the tutelage, supervision, and correction of a Teacher-Tutor assigned at the beginning of the teaching activity. The choice of subject is free. If there was no issue proposed by the students be assigned by the faculty.

Seminars

? Presentation, reflection and open discussion with the faculty about common clinical problems in clinical practice of Obstetrics and Gynaecology.

Any student who undertakes practical activities in which clinical data are handled is obliged to keep the confidentiality about its content.

FAMILY MEDICINE

Lectures

- Synthetic presentation, sequential and motivating of the key aspects of the course content through oral exposure with or without audiovisual support form. Its objectives are the transmission of knowledge, offering a practical and critical approach of Family Medicine leading students to reflect and discover relationships between the various concepts, form a critical mindset in the way of dealing with problems and the existence of a method.

Clinical skills workshops

- The main aim of the workshops is clinical skills that students acquire the ability to perform routine physical examinations in clinical practice in Family Medicine, in the context of a clinical scenario presented by the teacher at the beginning of the workshop.

Workshops clinical scenarios

- Designed to improve the knowledge and clinical skills of the student by posing and solving practical cases promoting collaborative work and shared responsibility, as well as the public presentation of the tasks performed.

Directed works

- Students will complete work documentation, review, critical analysis of a scientific or original publication related to the content of the subject. The work will be done by a group of students whose composition is free. Students will develop the activity under the supervision, monitoring, and correction of a tutor to be assigned at the beginning of teaching.

Seminars

- Presentation, reflection and open discussion with faculty on common clinical problems in clinical practice of Family Medicine.

All students perform practical activities in which personal or medical history patient data are handled, is obliged to keep the confidentiality thereof

4.3.Syllabus

The course will address the following topics:

1. Obstetrics: Pregnancy, childbirth, normal and pathological postpartum.

- 1. Preconception and reproductive counselling.
- 2. Normal Pregnancy (1): Diagnosis of gestation and maternal physiological changes during pregnancy.
- 3. Normal Pregnancy (2): prenatal visit.
- 4. Normal pregnancy (3): prenatal diagnosis.
- 5. Normal Pregnancy (4): Physiology of the placenta and foetus. Foetal assessment tests state. Alterations of foetal well-being during pregnancy and childbirth.
- 6. Labour and delivery (1): Causes, elements and mechanism of normal labour.
- 7. Labour and delivery (2): Clinical care of labour and delivery, postpartum and lactation.
- 8. First half of pregnancy haemorrhage: Miscarriage, ectopic pregnancy and gestational trophoblastic disease.
- 9. Second half of pregnancy haemorrhage: placenta previa. placental abruption, placental accretism.
- 10. Multiple pregnancy.
- 11. Disturbances of foetal growth: Intrauterine growth restriction. Foetal macrosomia.
- 12. Alterations of the duration of pregnancy: preterm birth, premature rupture of amniotic membranes, amniotic infection, prolonged pregnancy.
- 13. Haemolytic perinatal disease.
- 14. Pregnancy complications (1): high blood pressure during pregnancy.
- 15. Pregnancy complications (2): Gestational diabetes. Diabetes mellitus and pregnancy. Other endocrine diseases
- 16. Pregnancy complications (3): hematologic, cardiovascular, neurological, respiratory, immune and urological

diseases.

- 17. Pregnancy complications (4): Infections of perinatal transmission.
- 18. Labour and delivery dystocia: Pelvic and foetal dystocia. Breech presentation.
- 19. Obstetric complications: uterine rupture. Umbilical cord complications (prolapsed umbilical cord). Amniotic fluid volume disturbances. Amniotic fluid embolism.
- 20. Tocurgia: Forceps. Vacuum. Spatulas. Caesarean section.
- 21. Haemorrhage of the third stage of delivery. Puerperal infection. Puerperal depression.

2. Gynecology: Gynaecological pathology:

- 1. Gynecological anamnesis. Genital and breast examination. Investigations: cytology, colposcopy, biopsy, ultrasound, radiology, hysteroscopy and laparoscopy.
- 2. Gynecology of childhood and adolescence. Climacteric gynecology.
- 3. Abnormal menstrual bleeding: amenorrhoea. Dysfunctional uterine bleeding. Dysmenorrhea. Premenstrual syndrome
- 4. Polycystic Ovary Syndrome. Hyperandrogenism.
- 5. Sterility and infertility.
- 6. Contraception.
- 7. Pelvic inflammatory disease. Endometriosis.
- 8. Genital prolapse. Urinary incontinence. Genital fistulas.
- 9. Programs of prevention and early diagnosis of genital and breast cancer.
- 10. Vulva and vagina diseases: vulvovaginitis, vulvar benign diseases, Cancer vulva and vagina.
- 11. Cervical diseases: benign pathology. Cervical cancer.
- 12. Diseases of the uterine body: Endometrial polyp. Uterine myoma. Endometrial adenocarcinoma. Uterine sarcoma.
- 13. Ovarian diseases: benign and malignant ovarian neoplasms.
- 14. Breast diseases: Fibrocystic breast disease. Breast fibroadenoma. Breast cancer.

Seminars (10 hours)

- 1. Pregnant woman consulting for exposure to a potential teratogen.
- 2. Pregnant woman consulting for genital haemorrhage in pregnancy.
- 3. Pregnant woman that requires an assessment of the foetal status.
- 4. Pregnant woman who consults for believing that labor has begun
- 5. Woman consulting for having abnormal genital bleeding.
- 6. Woman consulting for leucorrhoea, pruritus and vulvar complaints.
- 7. Woman requesting emergency contraception.
- 8. Woman consulting for noticing a lump in the breast.

Clinical simulation workshops (8 hours)

- 1. Clinical exploration in pregnancy.
- 2. Clinical exploration in childbirth.
- 3. Genital exploration.
- 4. Breast examination.

Clinical Case Resolution (8 hours)

- 1. Pregnancy diagnosis.
- 2. Hyperemesis gravidarum.
- 3. Anemia and pregnancy.
- 4. Urinary tract infection.
- 5. Itching and vaginal discharge.
- 6. Acute abdominal pain (pelvic inflammatory disease)
- 7. Emergency contraception
- 8. Genital urinary incontinence.
- 9. Others.

Tutorials:

Personal tutorials will be requesting an appointment with the teacher and develop during working hours (8-15 hours).

Its main objective is to achieve adequate academic orientation of the student.

FAMILY MEDICINE

The teaching program of Family Medicine has the following content:

Program of lectures: Lecture (16 hours).

1. Introduction to primary health care and family medicine and community. Background and historical development. Care relationship and bio-psycho-social. Family doctor profile. Health system and primary care. Primary Care team: composition, functions, activities and organization. Preventive activities and preventive medicine clinic. medical and health advice.
2. Activities of prevention and health promotion in primary care consultations. Education health in the process of changes in lifestyle. Family physician's role in addressing smoking, alcoholism and drug addiction.
3. Family care. Family structure: classification and types. The family life cycle. The function and family dysfunction.
4. Attention to the stages of life (1): The child and adolescent. Most frequent pathologies diagnosis and management in primary care. Influence of family environment, school and time Free on your health.
5. Attention to the stages of life (2): The woman. Features family physician attention to women. The most frequent pathologies woman diagnostic and control in primary care. Attention to women victims of gender violence.
6. Attention to the stages of life (3): The adult. Acute and chronic adult diseases more frequent diagnostic and control in primary care.
7. Attention to the stages of life (4): The elder. Aging process. Geriatric assessment integral. Health problems most common in the elderly. Iatrogenic. Preventive activities. The dependence. Ill-treatment in the elderly.
8. Patient terminal. Palliative care. Chronic diseases amenable to palliative care. Family approach. Addressing duel.
9. Addressing the most common acute pathology in primary care.
10. Using the test and diagnostic procedures in primary care.
11. Clinical reasoning in primary care. The management of uncertainty.
12. Health and immigration.
13. Therapeutics in primary care. Non-pharmacological measures. Minor surgery. Rational use of drugs in primary care. Pharmacology and therapeutic risk. Rational use of medicine. Control of prolonged treatment. Adverse reactions (Yellow Card). Oral anticoagulation. Compliance. Economics in clinical practice.
14. Mental health in primary care. Mental health problems. Prevailed, detection, diagnosis and treatment of the most common psychopathological disorders. The duel.
15. Multimorbid patient approach. The complex chronic patients.social determinants of health.
16. Community Health.

Seminars (4 hours)

Diagnostic and therapeutic procedures in primary care.

- Sutures.
- Bandages.
- Spirometry.
- Basic ECG.
- Clinical examination.
- Primary Care Models in Europe.
- Polypharmacy.
- Comorbidity.
- Palliative care in primary care.

Resolution of clinical cases (3 hours)

- Clinical reasoning.
- Preventive activities.
- Pharmacovigilance.

Tutorials

- Personal tutorials will be attending classes, requesting day and time with the chosen teacher,
- Teachers develop during working hours (8-15 hours).
- Its main objective is to achieve adequate academic orientation of the student.

4.4.Course planning and calendar

OBSTETRICS AND GYNAECOLOGY

All theory and practice groups will develop identical training activities.

Lectures

? The theoretical classes will be taught within the school calendar of the academic year 2019-2020 approved by the University of Zaragoza, starting on September 16th, 2019, from 9 am to 10 am on Mondays, Wednesdays and Fridays in both groups.

? Each subject will be taught by the same teacher in both teaching groups on alternate days.

Workshops on clinical skills and resolution of clinical cases (simulation practices)

? It will be given to the 12 sections formed by around 25 students according to the distribution of the students proposed by the semester coordinator.

? As of September 23, they are taught during the following 12 weeks according to the distribution of sections, from Monday to Thursday in sessions of 2-3 hours in the interval of 12 to 15 hours.

? The specific calendar with a normal assignment of students will be made public in the ADD.

Guided works

? The directed work will be carried out by a group of 3 to 5 five students and directed by a tutor teacher.

? Student workgroups can be formed regardless of the group or administrative section from which be part

? If there is no theme proposal by the group of students, it will be assigned by the faculty.

? During the first 2 weeks of the academic year (from September 16 to September 30) the

students will organize their own working groups, whose relationship will be delivered to the secretariat of the Department of Surgery, Obstetrics and Gynecology before September 30, 2019.

? As of October 16, the working groups will be assigned to the teachers-tutors to organize the work to perform under his supervision and correction.

? The final acceptance of the composition of the group, subject and tutor will be published in the ADD.

? The work will be delivered at the end of the semester (before December 20) for evaluation, in accordance with the procedure that will be made public in the ADD.

Seminars

? The seminars are held on Fridays of each week from 1 to 3 pm (2 seminars of about 50 minutes of duration each).

? The assignment of the students to the seminars will be carried out according to the distribution of the students proposed by the semester coordinator

Obstetrics and Gynaecology:

Assigned teaching load of Obstetrics and Gynecology is of 7 ECTS (175 hours) of which 55% they correspond to the autonomous work of the student as non-face-to-face teaching and the remaining 45% to teaching face-to-face. The activities corresponding to classroom teaching will be taught from 8 to 15 hours throughout the 9th semester of the Degree (September-2019 to February-2020) in agreement with the teaching organization of the Centre with the following content:

? Large groups (theoretical classes): They will be 1 hour long. They are distributed throughout the teaching weeks of the 9th semester: 3 hours/week. They will be given on Mondays, Wednesdays and Fridays from 9:00 a.m. to 10:00 a.m. both groups.

? Small groups (seminars, workshops, resolution of clinical cases and directed works):

o The seminars will be given on Fridays of each school week of the 9th semester from 1:00 p.m. to 3:00 pm (2 seminars of about 50 minutes each).

o Clinical skills and clinical case resolution workshops will be held from 1:00 p.m. to

3:00 pm, according to the schedule and distribution of students in small groups proposed by the Semester Coordinator.

o The directed works will be carried out under the tutorship of the teaching staff on a subject related to the content of the subject according to the calendar, norms and assignment of teaching staff that will be done public at the beginning of the course in the digital teaching ring.

? The tutorials are done in person and scheduled after the student's request and by appointment with the teacher, either directly, or by mail.

? Evaluation: The evaluation of knowledge will be carried out throughout the course according to the criteria set out in section 4 of the Teaching Guide. The exam sessions for the academic year will be those corresponding to February and September according to the proposed calendar Coordinator Professor of the Semester. The evaluations will be held during the day and school hours from 8:00 a.m. to 2:00 p.m.

Key dates of the subject OBSTETRICS AND GYNECOLOGY: <https://medicina.unizar.es/quinto-curso#horario9>

FAMILY MEDICINE

Teaching in large groups (lectures):

- 1 lecture/school group during the scheduled teaching period and in each subject.
- Hours: 9:00 to 10:00 hours in the morning. Duration: 1 hour.
- The lectures begin in two groups according to the official teaching schedule. Initially, they will begin the week of 16 September 2019 and end in January 2020.

Teaching in small groups:

- The 12 groups or sections of 25 students each component will be provided.
- The overall duration of teaching small groups is 3 hours/day.

- Teaching in small groups will begin the week of September 23 for 12 consecutive weeks.
- The duration of the seminars, workshops and simulation sessions resolution of clinical cases will be 1-hour of teaching load.

Key dates of the subject FAMILY MEDICINE:<https://medicina.unizar.es/quinto-curso#horario9>

4.5.Bibliography and recommended resources

<http://psfunizar7.unizar.es/br13/eBuscar.php?tipo=a>