

## 26782 - Obstetrics, Gynecology and Family Medicine

### Syllabus Information

**Academic Year:** 2020/21

**Subject:** 26782 - Obstetrics, Gynecology and Family Medicine

**Faculty / School:** 104 - Facultad de Medicina

**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**

All face-to-face training is subject to the situation of compliance with the security regulations imposed by the University, in relation to the Covid 19.

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: 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: 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: 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: 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: 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: 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**

### **OBSTETRICS AND GYNECOLOGY**

#### **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**

The students will carry out a scientific review work related to the content of the Obstetrics and Gynecology subject, in work groups of 5 students assigned by the coordinator of the Obstetrics and Gynecology knowledge area, under the supervision,

supervision and correction of a Professor-Tutor who will be assigned at the beginning of the teaching activity. The choice of subject is free, after knowledge and agreement with your teacher-tutor. If there is no topic proposed by the students, it will be assigned by the teachers.

### **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**

### **OBSTETRICS AND GYNECOLOGY**

The Obstetrics and Gynecology teaching program has the following content:

Theoretical classes program: Master class (35 hours).

Obstetrics: Gestation, delivery and normal and pathological puerperium.

1. Normal pregnancy (1): Diagnosis of gestation and maternal physiological changes during pregnancy.
2. Normal pregnancy (2): Prenatal consultation. Preconception consultation. Reproductive advice.
3. Normal pregnancy (3): Prenatal diagnosis
4. Normal pregnancy (4): Physiology of the placenta and fetus. Fetal status assessment tests. Fetal well-being disturbances during pregnancy and childbirth.
5. Normal childbirth (1): Causes, elements and mechanism of normal childbirth.
6. Normal delivery (2): Clinical assistance for delivery, postpartum and breastfeeding without pathology.
7. Hemorrhages of the first half of pregnancy: Abortion, ectopic pregnancy and gestational trophoblastic disease.
8. Bleeding in the second half of pregnancy: Placenta previa. Abruptio placentae. Placental accretion.
9. Multiple pregnancy.
10. Fetal growth disorders: restricted intrauterine growth. Fetal macrosomy. Changes in the volume of the amniotic fluid.
11. Changes in the duration of pregnancy: Preterm delivery. Premature rupture of the amniotic membranes. Amniotic infection. Prolonged pregnancy.
12. Fetal hydrops. Isoimmunization and intrauterine transfusion. Fetal therapy.
13. Diseases that complicate pregnancy (1): Hypertensive states of pregnancy.
14. Diseases that complicate pregnancy (2): Gestational diabetes. Diabetes mellitus and pregnancy. Others endocrinological diseases
15. Diseases that complicate pregnancy (3): Hematological, cardiovascular, digestive diseases, neurological, respiratory, immunological and nephrourological.
16. Diseases that complicate pregnancy (4): Perinatal transmission infections. Vaccination and pregnancy.
17. Dystocia of childbirth: Dystocia of the motor, the canal and the object of delivery. Breech presentation. Situation transverse.
18. Obstetric complications: Uterine rupture. Umbilical cord complications (prolapse of the umbilical cord).
19. Tocurgia: Forceps. Sucker. Spatulas. Caesarean section.
20. Pathological puerperium: delivery bleeding, amniotic fluid embolism, puerperal infection. Postpartum depression.

### **Gynecology: Clinic and gynecological pathology.**

21. Clinical history. Genital and mammary examination. Complementary examinations: cytology, colposcopy, biopsy, ultrasound, radiodiagnosis, hysteroscopy and laparoscopy.
22. Gynecology of childhood and adolescence. Gynecology of the climacteric.
23. Abnormal menstrual bleeding: Amenorrhea. Dysfunctional uterine bleeding. Dysmenorrhea Premenstrual syndrome.
24. Polycystic ovary syndrome. Hyperandrogenisms.
25. Sterility and infertility.

26. Contraception, sexuality and reproductive health.
27. Pelvic inflammatory disease. Endometriosis.
28. Genital prolapse. Urinary incontinence. Genital fistulas.
29. Programs for the prevention and early diagnosis of genital and breast cancer.
30. Diseases of the vulva and vagina: Vulvovaginitis. Benign pathology, Cancer of the vulva. Vaginal cancer.
31. Diseases of the cervix: Benign pathology. Cervical cancer.
32. Diseases of the uterine body: Endometrial polyp. Uterine myoma. Endometrial adenocarcinoma. Uterine sarcoma.
33. Diseases of the ovary: benign and malignant neoplasms of the ovary.
34. Diseases of the breast (1): Non-oncological pathology of the breast. Fibrocystic mastopathy. Fibroadenoma.
35. Diseases of the breast (2): Breast cancer.

### **Seminars (10 hours)**

Pregnant woman who consults for genital bleeding in pregnancy.  
 Diagnostic tools and assessment of fetal status.  
 Pregnant woman who consults for contractions and / or fluid leaking from the genitals  
 Woman who consults for having abnormal genital bleeding.  
 Woman who consults for leucorrhoea, itching and vulvar discomfort.  
 Woman requesting contraception.  
 Woman who consults for noticing a lump in the breast.  
 Woman consulting for urinary incontinence

### **Clinical simulation workshops (individual skills with simulators): (8 hours)**

Clinical examination in pregnancy.  
 Clinical examination in childbirth.  
 Genital examination.  
 Breast examination.

### **Resolution of clinical cases (group staging of clinical cases) (8 hours)**

Pregnancy diagnosis.  
 Gravidal hyperemesis.  
 Anemia and pregnancy.  
 Urinary infection.  
 Itching and leucorrhoea.  
 Acute abdominal pain (pelvic inflammatory disease)  
 Contraception (morning after pill)  
 Feeling of lump in genitalia with urinary incontinence.  
 And others similar.

### **Tutoring**

The tutorials will be face-to-face, after requesting the student day and time with the teacher during teaching hours (8 to 17 hours). Its fundamental objective is to achieve an adequate academic orientation for the student.

### **FAMILY MEDICINE**

The Family Medicine teaching program has the following content:

The Family Medicine course is structured according to the following training activities:

#### **Theoretical classes program: Master classes:**

1. Introduction to primary health care and family and community medicine. Background and development historical. Care relationship and bio-psycho-social model. Family doctor profile. Health and care system primary. The Primary Care team: composition, functions, activities and organization.
2. Preventive activities and clinical preventive medicine. Medical and health advice. Prevention and health promotion in Primary Care consultations. Health education in the process of changes in the lifestyle. Role of the family doctor in tackling smoking, alcoholism and drug addiction.
3. Attention to the family. The family structure: classification and types. The family life cycle. Function and dysfunction family.
4. Attention to women victims of gender violence. Functions of the family doctor in caring for women. .
5. Chronic adult pathologies most frequent of diagnosis and control in primary care.
6. Attention to the Terminal Patient in Primary Care. Palliative care. Chronic diseases susceptible to palliative care. Family focus. Grief approach.
7. Approach to the most frequent acute pathologies in Primary Care. Differential diagnosis of symptoms most common in primary care.
8. Use of the test and diagnostic procedures in Primary Care.
9. Clinical reasoning in Primary Care. The management of uncertainty.
10. Health and immigration.
11. Therapeutics in primary care. Non-pharmacological measures. Rational use of the drug in primary care. Control of prolonged treatments. Therapeutic compliance.
12. Mental health in primary care. Prevalence, detection, diagnosis and treatment of disorders most frequent psychopathological.
13. Approach to the patient with multimorbidity. The complex chronic patient.
14. Social determinants of Health. Community Health.
15. Use of the Guidelines in Primary care. What not to do. Rationality and good practice in clinical practice.

#### **Small group seminars and workshops**

1. Sanitary Systems. Primary Care Models
2. Complex chronic patient. Clinical cases

3. The doctor facing the end of the patient's life.
4. Preventive activities. Screenings.
5. Approach to smoking and alcoholism in Primary Care
6. Clinical reasoning
7. ECG workshop with clinical cases
8. Clinical and exploratory skills: sutures, cardiopulmonary resuscitation.

#### **Tutoring (2 hours)**

The tutorials will be personal in person, requesting a day and time with the chosen teacher, developing during teaching working hours (8 to 15 hours). Its fundamental objective is to achieve adequate academic orientation of the student. At the beginning of the academic year, students will be distributed among the teaching staff available according to teaching load.

### **4.4.Course planning and calendar**

#### **OBSTETRICS AND GYNECOLOGY**

All theory and practical groups will carry out identical training activities. Given the epidemiological situation, all the activities have been programmed with the intention of minimizing as far as possible the impact of the different epidemiological measures on teacher development.

##### **Master classes**

The theoretical classes will be taught within the school calendar of the academic year 2020-2021 approved by the University of Zaragoza, starting on September 14, 2020, from 9 a.m. to 10 a.m. on Mondays, Wednesdays and Fridays. Given the limitations of teachers that our area of ??knowledge presents, the same class will be taught simultaneously for both groups.

During the class, the most relevant points of each topic will be developed, based on the knowledge provided with the teaching material (presentations, videos, recommended readings, etc.) previously posted on ADD.

If at any time the health recommendations advise any degree of restriction of students in the classroom, the class will be broadcast live at the scheduled time so that those students who cannot be inside the classroom can attend it.

Clinical skills workshops (individual simulator skills) and clinical case resolution (group staging of clinical cases)

They will be taught to the 12 sections made up of around 25 students according to the distribution of the Students proposed by the semester coordinator.

From September 21 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 nominal allocation of the students will be published in the ADD.

**Face-to-face scenario with restrictions on the number of students:** if the health recommendations advise distribution in smaller groups, the groups of students will be reduced to half the size (10-15 people), creating two work shifts for each session (2 -3 hours), in which the activities that require the simulation material will be developed. The rest of the activities related to the workshop (reflection, debate and theoretical content) will be carried out using non-contact tools (presentations, videos, recommended readings and teleconferences) available before the start of the workshop in the ADD.

**Non-face-to-face scenario:** if the health recommendations advise the cessation of face-to-face teaching, the activities previously described will be developed using non-contact tools (presentations, videos, recommended readings) supported by teleconferences in small groups through Google-Meet or similar.

##### **Directed works**

The students will carry out a scientific work in accordance with the subject's agenda, in work groups of 5 students assigned by the coordinator of the subject, under the supervision, supervision and correction of a Teacher-Tutor who will be assigned at the beginning of the teaching activity. .

As of November 1, 2020, groups of 5 students will be created, in alphabetical order according to the lists of enrolled students available in the secretariat. Each of the groups will be assigned to one of the associate professors in the Obstetrics and Gynecology area of ??knowledge to organize the work to be carried out under their supervision and correction. The work will be evaluated by each of the teacher-tutors through a public presentation at the end of the semester (before December 19, 2020), according to the procedure that will be made public in the ADD. The evaluation will take into account both the work done and its defense and public exposure.

In the event that due to epidemiological recommendations, the public presentation of the directed works cannot be carried out, the public defense and presentation will be carried out through Google-Meet or similar.

##### **Seminars**

The seminars are held on Fridays of each week from 1 to 3 pm (2 seminars of about 50 minutes each). The assignment of the students to the seminars will be done according to the distribution of the students proposed by the coordinator of the semester.

The different clinical scenarios will be developed using the ADD "Lesson" tool, so that they can be worked on previously by the students before the seminar is given. During the seminar we will work on the key concepts of each topic and the doubts raised by the students.

If at any time the health recommendations advise any degree of restriction of students in the classroom, the seminar will be broadcast live at the scheduled time so that those students who cannot be inside the classroom can attend it.

##### **FAMILY MEDICINE:**

Since the instructions of the health and academic authorities must be respected, the organization and development of teaching must be subject to the planning of the spaces carried out by the centers.

Teaching in large groups (master classes):

The theoretical classes will be taught within the school calendar of the academic year 2020-2021 approved by the Zaragoza's University. Hours remain to be determined.

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

Teaching in small groups:

It will be taught to the 12 groups or sections of students of 25 components each.

The maximum overall duration of teaching small groups is 3 hours / day.

Teaching in small groups will begin the second week of the semester consecutively for 12 weeks.

The specific calendar will be published in ADD or on the subject board.

The Portfolio will be delivered on a date to be determined by ADD, before the written Evaluation.

## **OBSTETRICS AND GYNECOLOGY**

The Obstetrics and Gynecology subject is assigned a teaching load of 7 ECTS (175 hours) of which 55% correspond to the autonomous work of the student as non-classroom teaching and the remaining 45% to face-to-face teaching.

The activities corresponding to face-to-face teaching will be taught in the time slot from 8 to 15 hours throughout the 9th semester of the Degree (September 14, 2020 to February 8, 2021) according to the teaching organization of the Center with the following content:

Large groups (theory classes): They will last 1 hour. They are distributed throughout the school weeks 9th semester: 3 hours / week. They will be taught on Monday, Wednesday and Friday from 9:00 a.m. to 10:00 a.m. in both groups.

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

The seminars will be held on Friday of each week of the 9th semester in the time slot of 13:00 to 15:00 hours (2 seminars of about 50 minutes each).

The clinical skills and clinical case resolution workshops will be held in the strip from 1:00 p.m. to 3:00 p.m., according to the calendar and distribution of students in small groups proposed by the Coordinating Professor of the Semester.

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

The tutorials will be carried out in person and scheduled after the student's request and prior appointment with the teacher, either directly or by email.

Assessment: Knowledge assessment will be carried out throughout the course according to the criteria set forth in section 4 of the Teaching Guide. The exams for the academic year will be those corresponding to February and September according to the proposed schedule Coordinating Professor for the Semester. The Evaluations will take place during the day and during the school hours from 8:00 a.m. to 5:00 p.m.

## **FAMILY MEDICINE**

The Family Medicine course has a teaching load of 3 ECTS (75 hours), with the following distribution:

Classroom Teaching: (45%): Total: 34 hours. Both large group activities (master classes) and small group teaching activities will be carried out according to the Center's cross-sectional organization chart, with the following considerations: distributed in:

Large groups: Master classes (theoretical). They will last 1 hour. They are distributed throughout the 9th semester teaching weeks: 2 hours / week.

Small groups: (seminars, workshops, resolution of clinical cases and group work):

The seminars will be taught in the corresponding teaching week of the 9th semester.

The clinical skills and clinical case resolution workshops will be carried out according to the calendar and distribution of students in small groups proposed by the Coordinating Professor of the Semester. Occasionally, seminars may be held in another time slot, depending on their content and organization.

Group work will be carried out under the supervision of teachers on a topic related to the content of the subject.

Tutorials: they will be carried out in person and scheduled after the student's request and by appointment with the teacher, either directly, either by mail.

Assessment: Knowledge assessment will be carried out throughout the course according to the criteria set forth in section 4 of the Teaching Guide. The exams for the academic year will be those corresponding to February and September according to the proposed schedule Coordinating Professor for the Semester. The Evaluations will take place during the day and during the school day.

Non-face-to-face teaching: (55%): Total: 41 hours. It corresponds to the study, and individual work of the student, which will be reflected in the realization of a portfolio, which will include all the activities proposed from the Teaching Digital Ring by the teachers, the work carried out from the seminars and workshops, as well such as the student's reflections regarding master classes, books, films, activities carried out related to family medicine, etc.

### **Key dates:**

September 14, 2020: In-class teaching begins in large groups.

September 21, 2020: In-class teaching begins in small groups.

Evaluation dates: <https://medicina.unizar.es/examenes-0>

## **4.5. Bibliography and recommended resources**

[http://biblos.unizar.es/br/br\\_citas.php?codigo=26782&year=2020](http://biblos.unizar.es/br/br_citas.php?codigo=26782&year=2020)