

Academic Year/course: 2022/23

## 26730 - Tutorial Practice Classes

### Syllabus Information

**Academic Year:** 2022/23

**Subject:** 26730 - Tutorial Practice Classes

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

**Degree:** 304 - Degree in Medicine

**ECTS:** 30.0

**Year:** 6

**Semester:** First semester

**Subject Type:** Compulsory

**Module:**

## 1. General information

### 1.1. Aims of the course

The methodology followed in this course is oriented towards the achievement of the learning objectives. It favors the acquisition of knowledge related to health services. A wide range of teaching and learning tasks are implemented, such as lectures, practice sessions, assignments, and autonomous work. Students are expected to participate actively in the class throughout the semester.

Further information regarding the course will be provided on the first day of class.

The subject and its expected results respond to the following approaches and objectives:

The subject aims for students to progress in the applicability of the knowledge acquired in the first Grade Courses and to deepen in the competences acquired in the subject Practiced Tutored of the 10th semester of the Degree. Patient care requires theoretical knowledge that has been worked on during the development of previous subjects through personal study and participation in classes, seminars and workshops.

The practical learnings that will be developed through work with patients will have the tutorial and supervision of a teacher in each of their rotations.

These approaches and objectives are aligned with the following Sustainable Development Goals (SDGs) of the United Nations 2030 Agenda (<https://www.un.org/sustainabledevelopment/es/>), in such a way that the acquisition of the results of Subject learning provides training and competence to contribute to some extent to its achievement.

Objective 3: Health and well-being.

Objective 4: Quality education

### 1.2. Context and importance of this course in the degree

Framed in the eleventh semester of the Degree the subject aims at the total involvement of students in Hospital Services and Primary Care Centers for those who are going to rotate, incorporating in a total way the daily activities of said Services

### 1.3. Recommendations to take this course

Departments involved in the subject:

- **Surgery** (Surgery, Obstetrics and Gynecology and Pathological Anatomy).

- **Medicine, Psychiatry** and **Dermatology**
- Microbiology, **Pediatrics**, Radiology and Public Health

Each department has developed the learning outcomes that must be achieved through clinical practices. Although in many cases, the results to be obtained are equivalent, they have been transcribed in the Guide as elaborated by the Departments. Teachers who teach these clinical practices should ensure that all students have the opportunity to achieve learning outcomes regardless of the place of rotation,

***This practical course, planned in small groups, must be done in person, always respecting the instructions of the health and academic authorities.***

## 2. Learning goals

### 2.1. Competences

BASICS:

CB1 - Students have demonstrated to possess and understand knowledge in an area of study that starts from the base of general secondary education, and is usually found at a level that, although supported by advanced textbooks, also includes some aspects which imply knowledge coming from the forefront of their field of study

CB2 - Students know how to apply their knowledge to their work or vocation in a professional manner and have the skills that are usually demonstrated through the elaboration and defense of arguments and the resolution of problems within their area of study

CB3 - Students have the ability to gather and interpret relevant data (usually within their area of study) to make judgments that include a reflection on relevant issues of social, scientific or ethical nature

CB4 - Students can transmit information, ideas, problems and solutions to a specialized and non-specialized public

CB5 - Students have developed those learning skills necessary to undertake further studies with a high degree of autonomy

SPECIFIC:

CE96 - Preprofessional practices, in the form of independent clinical rotating and with a final assessment of competencies, in Health Centers, Hospitals and other healthcare centers, and that allows to incorporate professional values, skills in healthcare communication, clinical reasoning, clinical management and trial critical, as well as attention to the most prevalent health problems in the areas of Medicine, Surgery, Obstetrics and Gynecology, Pediatrics, Psychiatry and other clinical areas.

### 2.2. Learning goals

The student, to pass this subject, must demonstrate the following results:

#### **MEDICINE**

- Collect the signs and symptoms that require the patient to consult with the doctor and translate them into a document

-To be able to perform a complete anamnesis focused on the main manifestations of the clinical picture, oriented to the various pathologies and interpreting their meaning.

- Be able to perform a physical examination by devices and systems, interpreting their meaning.

-Make a diagnostic orientation based on the data collected.

-Request complementary tests appropriate to the differential diagnosis.

- Be able to assess and link in a reasoned way the basic analytical modifications, alterations of the ekg, basic radiology and other complementary explorations properly indicated.
- Establish the most appropriate diagnosis in clinical situations.
- Carry out adequate information on the process that affects the patient taking into account the ethical aspects.
- Plan an appropriate treatment to all the medical and personal circumstances of the patient. In professional and social skills related to the care environment in which it is performed. In knowing how to properly plan clinical work in different healthcare settings: Hospital Emergencies, Health Center, Hospital Medical Services.

Reflect on the limits in the health care provided to patients in different specialties: family and community medicine, emergencies and different medical specialties.

**SURGERY:** During and at the end of the period of clinical practices in Surgery, students must:

KNOW:

Recognize, diagnose and guide their management:

1. To propose and evaluate the surgical risk.
2. Prevention and treatment of decubitus ulcers
3. Wound healing. Pathology of the scar.
4. General treatment before and after surgery
5. Antibiotic and thromboembolic prophylaxis in Surgery.
- 6.- Informed Consent in Surgery
7. Asepsis and Antisepsis in Surgery.

KNOW:

1. The main postoperative complications.
2. The foundation and indications and types of Oncological Surgery
3. The foundations and care management of ambulatory surgery
4. The fundamentals, indications and limitations of minimally invasive surgery.
4. The basic surgical maneuvers and general aspects of the surgical technique.
5. The basic surgical material
6. The foundation, indications and management of most common probes and drainages

KNOW TO DO:

Know how to do with competence (Routinely and without supervision)

1. Preoperative assessment of surgical risk. Scale A.S.A.
2. Standards of asepsis in the operating room and in surgical maneuvers and cures.
3. Diagnose the main general postoperative complications
4. Local treatment of surgical cures

To have practiced under supervision:

1. Simple surgical sutures

2. Remove suture material from a wound (and cure an ostomy)
5. Surgical hand washing and basic aseptic and antisepsis techniques
6. Realization of Clinical Stories in Surgery
7. Presentation of clinical cases in Surgical Clinical Sessions

Having seen it practiced by an expert:

1. Local anesthesia technique.
2. Posing and prescribing treatments in the postoperative period.
3. Most frequent surgical interventions in open and minimally invasive surgery.
4. Gold-tracheal intubation and anesthetic monitoring and controlled management of the airway
5. General and loco-regional anesthesia techniques

**PEDIATRICS:**

- 1.-Acquire skill in the anamnesis to obtain the clinical information that allows to elaborate a correct clinical history, to obtain physical exploration in the pediatric age.
- 2.-Know how to use precise tools to adapt in the interview to the peculiarities of each pediatric age: Clinical interview technique with parents. Teen interview
- 3.-Knowing how to perform a complete physical examination in different pediatric ages, interpreting their meaning adequately and using the growth charts correctly.
- 4.- Be able to establish a clinical reasoning with identification of problems, development of diagnostic hypotheses, differential diagnosis according to the age of the patient and choose the appropriate complementary tests.
- 5.-Establish a plan of therapeutic action and prevention, focused on the needs of the patient and their family and social environment

**EMERGENCIES**

- 1.- Know how to use triage as a risk stratification method for patients who come to the Emergency Room. In the most prevalent emergency reasons:
- 2.-Collect the signs and symptoms that require the patient to go to the emergency room and translate them into the documents in force in these Services
- 3.- Be able to make an anamnesis focused on the main manifestations of the clinical picture, oriented to the urgent action
- 4.- Being able to perform a physical examination that assesses the *urgent* situation
- 5.- Be able to perform diagnostic guidance in the most prevalent urgent cases and request the necessary complementary tests to clarify the reason for urgency
- 6.-Be able to indicate the basic treatments of life support
- 7.- Be able to distinguish between patients who must be discharged and those who require prolonged observation/admission

**TRAUMATOLOGY and ORTHOPAEDIC SURGERY**

- 1.- Being able to make a clinical history

- 2.- Know how to carry out basic clinical exploration maneuvers in musculoskeletal pathology
- 3.- Know how to recognize the indications of the available imaging tests in the most prevalent pathologies
- 4.- Be able to recognize the indications of the available laboratory tests in the most prevalent pathologies
- 5.- Know how to indicate the preparation of a patient before surgery
- 6.- Know how to make immobilization bandages, either simple or in plaster, in the most prevalent pathologies
- 7.- Know how to perform a cure of a basic process
- 8.- Know the indications of surgery, in the most prevalent traumatic or orthopedic pathologies
- 9.- To know the basic operation of an operating theater where Locomotive Apparatus surgery is performed, and its differences with operating rooms of other specialties

## **OBSTETRICS and GYNECOLOGY**

1.-Before a patient who comes to the obstetric consultation, the student must acquire and demonstrate the ability to:

- Obtain the clinical history, analyze the personal and family history and the current symptomatology to assess the evolution of the pregnancy, documenting the information obtained.
- Perform the physical examination, including bimanual genital exploration, exploration with valves and speculum, measurement of the height of the uterine fundus, Leopold maneuvers and fetal auscultation. The student must know how to document and interpret the clinical findings obtained, as well as select the complementary examinations that should be performed in the care of a normal pregnancy.
- Identify risk situations during pregnancy that require the attention of women in other levels of assistance.
- Demonstrate the ability to inform the pregnant woman about hygiene and nutrition during pregnancy.
- Identify the symptoms and clinical signs that suggest the beginning of childbirth, know the basic rules of their driving and witness their attendance.
- Attend puerperal evolution, identifying the alarm symptoms and performing the appropriate clinical examination, including mammary exploration. Must be able to report on the benefits and disadvantages of breastfeeding and on the basic rules for their proper development.
- Be able to report on the expected and normal postpartum evolution of the resumption of physical activity and sexual relations, as well as family planning options

2.- Before a patient who comes to the gynecological consultation, the student must acquire and demonstrate the ability to:

- Obtain the clinical history by taking an anamnesis appropriate to the reason for the consultation, assessing the characteristics associated with each genital, paragenital or extragenital symptom and personal, family history, menstrual history and reproductive history.
- Perform gynecological clinical examination including inspection, abdominal examination, exploration with valves and speculum, obtaining samples for cytological study and fresh examination and bimanual genital examination. Perform the mammary physical examination including the inspection and palpation, as well as the exploration of the axillary and supraclavicular spaces.
- Know, select and interpret the complementary examinations that must be performed to support or establish the diagnosis: Cytology, colposcopy, biopsy, ultrasound, radiodiagnosis,

hysteroscopy, laparoscopy, endocrine evaluation.

- Be able to raise the differential diagnosis and establish an initial therapeutic plan for those clinical situations that are most often causes of gynecological consultation: Vulvovaginitis, abdominal pain, genital hemorrhage, mammary tumor and family planning.
- Identify the clinical situations that require the attention of the patient in other levels of health care, making a written report on the contents of the clinical history and the reasons for the referral.
- Know how to clearly and tactfully communicate to the patient and, where appropriate, the family members, the established diagnosis, the foreseeable evolution of the process, the recommended treatment and the prognosis.

### 2.3. Importance of learning goals

Achieve and improve the essential competence components for the clinical activity that is developed through individual and team work in different areas.

## 3. Assessment (1st and 2nd call)

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

The student must demonstrate that he has achieved the expected learning outcomes through the following assessment activities

The dependent rotations of the departments involved in the teaching of the subject *Prácticas Tuteladas* of the 11th semester will be evaluated jointly by:

- Information reports of the tutors.

It will suppose 40% of the final grade and for this evaluation the attitude of the student and the attainment of the specific learning results of each rotation will be taken into account. The final grade will be the result of the average scores obtained in the different rotations subjected to the corresponding weighting according to the rotation time

-Portfolio.

It will represent 20% of the grade and in said portfolio the activities carried out in each of the rotation modules will be specified. It will have a maximum of two pages per module.

***Given de practical nature of the course, the final grade of the tutor's evaluation reports, as well as the portfolio evaluation, must necessarily reach at least 50% of their respective maximum value to pass the course and average with the final test of cases or clinical situations resolution.***

-Final test on resolution of cases or clinical situations.

It will represent 40% of the final grade and will include clinical cases of each rotation module. The resolution of the different clinical cases will be done with test / case questions (with a single true answer) and without penalizing the untrue answers.

***If the suspension of classroom teaching activities occurs, the changes that should be made will be introduced in the guidelines through a specific addendum, as was done in previous academic years.***

## 4. Methodology, learning tasks, syllabus and resources

### 4.1. Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures,

practice sessions, assignments, and autonomous work. Students are expected to participate actively in the class throughout the semester.

Further information regarding the course will be provided on the first day of class

The learning process that has been designed for this subject is based on the following:

The subject aims at the total involvement of the students in the Services and Primary Care Centers for which they will rotate, incorporating in a total way the daily activities of said Services.

#### 4.2. Learning tasks

***We must remind all students that if activities exercises include data related to the medical history or personal data of the patient strict confidentiality is required***

The methodology is based on the active participation of the student in said Services Learning activities.

All students who carry out practical activities in which personal data or the clinical history of patients are handled, are obliged to keep their confidentiality

The program offered to the student to help him achieve the expected results includes the following activities

Week Modules:

- MEDICINE 4
- SURGERY 4
- FAMILY MEDICINE / EMERGENCY 4
- PEDIATRICS 1
- TRAUMATOLOGY AND ORTHOPEDIC SURGERY 2
- OBSTETRICS AND GYNECOLOGY 2

#### 4.3. Syllabus

[https://medicina.unizar.es/sites/medicina.unizar.es/files/archivos/Grado/sextocurso/general\\_pract\\_tutel\\_modulos\\_de\\_](https://medicina.unizar.es/sites/medicina.unizar.es/files/archivos/Grado/sextocurso/general_pract_tutel_modulos_de_)

#### 4.4. Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates and other details regarding this course will be provided on the first day of class or please refer to the *Facultad de Medicina* website and the Degree website

<http://medicina.unizar.es>

<https://medicina.unizar.es/sextocurso>

<http://moodle2.unizar.es>

View rotation and assignment modules in Program

Exam dates: Exam dates agreed in the semester coordination meeting

<https://medicina.unizar.es/horarios>

First Call: January (last week)

Second Call: June / July

#### 4.5. Bibliography and recommended resources

Access through the web:

<http://psfunizar10.unizar.es/br13/egAsignaturas.php?codigo=26730>