

**COURSE DATA****Data Subject**

Code	35318
Name	Orofacial and Miofacial Therapy
Cycle	Grade
ECTS Credits	4.5
Academic year	2021 - 2022

Study (s)

Degree	Center	Acad. year	Period
1203 - Degree in Speech Therapy	Faculty of Psychology and Speech Therapy	4	First term

Subject-matter

Degree	Subject-matter	Character
1203 - Degree in Speech Therapy	45 - Orofacial and myofunctional therapy	Optional

Coordination

Name	Department
PUIG HERREROS, CLARA	300 - Basic Psychology

SUMMARY

The subject "Orofacial and myofunctional therapy" is attached to the Department of Basic Psychology belonging to the Faculty of Psychology of the University of Valencia.

It is an elective and four-month subject consisting of 4.5 credits (ECTS), equivalent to 112 hours of student work.

The aim of the course is for the student to be able to carry out a process of evaluation and intervention in structural disorders of the orofacial functions (eg: facial gestures, swallowing habits, dysphagia, breathing alterations, tubal disorders, etc.).

Myofunctional Therapy (MFT) is a discipline that is responsible for assessing and correcting orofacial dysfunctions that can interfere with primary functions such as suction, chewing, swallowing, breathing and phono-articulation. These deficiencies may have a purely functional, structural origin or both. MFT is used in different disorders and syndromes such as oral vents, dysfunctional or atypical swallowing, bruxism, disorders of the temporo-mandibular joint, subjects with malformations of genetic origin or not, etc.



In this subject the necessary contents, techniques and methods are presented to be able to carry out an adequate speech therapist evaluation and intervention with patients with orofacial dysfunctions of diverse origin and that can affect diverse primary functions.

It is taught in the fourth year of the degree in Speech Therapy. The subject is divided into 3 well-differentiated blocks:

The first of them (block 1), is an introductory block to the subject where it is intended that Students know the basic concepts that refer to myofunctional therapy, the anatomy of the orofacial structures, the main stomatognathic functions: breathing, speech, chewing and swallowing; the normal patterns and the effects of the main dysfunctions, as well as the concept of dental malocclusion and its classification.

The second block (block 2) has as its main objective the exploration and speech therapist evaluation of the different anatomorphological structures that participate in the act of chewing, swallowing, breathing and phonarticulation, as well as its main dysfunctions.

The objective of the third block (block 3) focuses on the rehabilitation of some myofunctional disorders.

The subject is linked in a special way with the subjects: "Anatomy of the organs of language and hearing", "Physiology of the organs of language and hearing", "Speech therapy intervention in brain damage", "Speech therapy intervention in speech disorders" and "Physiotherapy applied to speech therapy".

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

There are no specified enrollment restrictions with other subjects of the curriculum.

Other requirements

Have sufficient knowledge about anatomy and physiology of language organs.

OUTCOMES

1203 - Degree in Speech Therapy

- Students must be able to apply their knowledge to their work or vocation in a professional manner and have acquired the competences required for the preparation and defence of arguments and for problem solving in their field of study.
- Students must have the ability to gather and interpret relevant data (usually in their field of study) to make judgements that take relevant social, scientific or ethical issues into consideration.
- Students must be able to communicate information, ideas, problems and solutions to both expert and lay audiences.



- Students must have developed the learning skills needed to undertake further study with a high degree of autonomy.
- Design, implement and evaluate actions to prevent communication and language disorders.
- Explore, evaluate, diagnose and predict the evolution of communication and language disorders from a multidisciplinary perspective.
- Use the exploration techniques and instruments typical of the profession and record, synthesize and interpret the data provided by integrating them into the information set.
- Design and conduct speech therapy treatments, both individual and collective, by setting targets and stages, with the most effective and adequate methods, techniques and resources, and bearing in mind the different life developmental stages as well as gender perspective.
- Work in the school, healthcare and healthcare settings as part of the professional team. Advice on the development, implementation of care and education policies on topics related to speech therapy.
- Understand and be able to integrate the biological principles (anatomy and physiology), psychological principles (evolutionary development and processes), linguistic principles and pedagogical principles of speech therapy into communication, language, speech, hearing, voice and non-verbal oral communication.
- Be familiar with communication, language, speech, hearing, voice and non-verbal communication disorders.
- Have an adequate speech production, language structure and voice quality.
- Know the anatomy of the organs of speech, hearing and voice.
- Knowledge of the physiology of the organs of speech, hearing and voice.
- Apply speech therapy with the most effective and appropriate methods, techniques and resources according to the specific orofacial pathology.

LEARNING OUTCOMES

- Identify myofunctional disorders through a correct evaluation.
- Identify the different orofacial anomalies.
- Identify the different dental malocclusions.
- Design and apply techniques of myofunctional therapy in the intervention of a clinical case.

DESCRIPTION OF CONTENTS

**1. Introduction to myofunctional therapy: basic concepts.**

Basic concepts. Orthodontics and speech therapy: dental malocclusions (definition, classification of Angle, etc).

Stomatognathic functions and their alterations. Myofunctional alterations (TMJ, dysfunctional swallowing, lingual interposition, bad habits, dysphagia, nonverbal communication disorders (facial gestures), etc.

2. Exploration and speech therapist evaluation in myofunctional disturbs.

Exploration and anatomorphological and functional evaluation of the stomatognathic system (eating, speaking, chewing, swallowing, smiling, breathing, etc.).

3. Speech therapist intervention in myofunctional disturbs

Speech therapist intervention in oral and non-verbal oral function disturbs.

Myofunctional therapy in the odonto-pediatric-orthodontic context (swallowing habits, bad habits ...).

Electrostimulation, neuromuscular bandage, low intensity therapeutic laser...

WORKLOAD

ACTIVITY	Hours	% To be attended
Theory classes	30,00	100
Classroom practices	15,00	100
Development of group work	20,00	0
Study and independent work	28,00	0
Readings supplementary material	6,00	0
Preparation of evaluation activities	4,00	0
Resolution of case studies	7,50	0
Resolution of online questionnaires	2,00	0
TOTAL	112,50	

TEACHING METHODOLOGY

The training activities to be carried out in this area are:

- Theoretical classes taught in person in the classroom, during which the different contents of the subject will be developed, promoting at the same time the active participation of the students through the resolution of the issues that arise during the exposition.



- Practical classes, with the objective that students acquire the knowledge and skills necessary for the evaluation, proposal of a diagnosis and preparation of intervention programs appropriate to each patient.
- Individualized tutorials in which students will be supervised so that they can adequately monitor the training activities.
- Individual and/or group work of the student, preparation of practical activities, preparation of exercises and reports.
- Study, preparation and realization of exams.

EVALUATION

The information to obtain the final qualification of the subject will be obtained through two basic procedures:

- 1) Individual final evaluation (final exam)
- 2) Continuous evaluation or progress (activities carried out in classroom, reports and / or individual and group work, activities carried out in class, attendance at conferences, seminars and / or conferences, etc.).

The individual final evaluation will be adjusted to the specific objectives of the teaching guide. This evaluation, which will reflect the level reached at the end of the learning process of the subject, will be carried out at the end of the face-to-face period and will represent 70% of the subject's grade, with a maximum value of 7.

The final test to evaluate the specific objectives of the subject will be of test and written type.

The continuous evaluation will be made from the written and oral reports and comments made in the classes and / or in the tutorials, as well as in the different activities carried out in the theoretical and / or practical sessions. This part of the evaluation will represent 30% of the grade of the subject, which will be divided as follows:

- 1.- Reports of the practices. There will be a single internship report with a maximum value of 2 points.
- 2.- Elaboration of a group work with exhibition in the classroom. Maximum value of 0.70.
- 3.- Other activities carried out in the face-to-face classes: reports / individual and / or non-compulsory group work, access to contents available in the virtual classroom, blocks or similar, tests carried out in class, etc. The value of this part is a maximum of 0.30.

Attendance at the internship is compulsory and to pass the subject you will need to attend as At least 80% of the classes. The non-attendance must be due to reasons of force majeure documented (supervening health condition, death of a family member up to the third degree, judicial summons, official examination, accompaniment of a first-degree relative for medical reasons). The contents and activities carried out in the face-to-face classes are considered recoverable by means of written test that will be carried out only to finish the official final test.



The final grade is obtained from the weighted sum of the scores of each part of the evaluation, provided that the part corresponding to the written tests officially announced and in the internship report has been passed.

REFERENCES

Basic

- Susanibar, F.; Marchesan, I.; Parra, D. y Dioses, A. (coordinadores) (2014). Tratado de evaluación de motricidad orofacial. Madrid: EOS.
- Susanibar, F.; Parra, D. y Dioses, A. (coordinadores) (2013). Motricidad orofacial. Fundamentos basados en evidencias. Madrid: EOS.
- Queiroz, I. (2002). Fundamentos de Fonoaudiología. Aspectos clínicos de la motricidad oral. Buenos Aires: Editorial Médica. Panamericana.

Additional

- Borrás, S. y Rosell, V. (Coordinadores) (2006). Guía para la rehabilitación de la deglución atípica y trastornos asociados. Nau Llibres: Valencia.
- Bartuilli, M. (coord.), Cabrera, P. y Perrián, M. (2007): Guía técnica de intervención logopédica. Terapia Miofuncional. Madrid: Síntesis.
- Chiavaro, N. (2013). Funciones y disfunciones estomatognáticas. Buenos Aires: AKADIA.
- Actis, A. (2014) Sistema Estomatognático. Bases morfofuncionales aplicadas a la clínica. Madrid: Editorial Médica Panamericana.
- Susanibar, F. y Parra, D. (2011). Diccionario Terminológico de Motricidad Orofacial. Madrid: EOS

ADDENDUM COVID-19

This addendum will only be activated if the health situation requires so and with the prior agreement of the Governing Council

1. CONTENIDOS

Se mantienen todos los contenidos inicialmente programados en la guía docente tanto para las sesiones teóricas como para las sesiones prácticas.

2. VOLUMEN DE TRABAJO Y PLANIFICACIÓN TEMPORAL DE LA DOCENCIA



Se mantiene el volumen de trabajo previsto en la guía docente de la asignatura tanto para las clases de teoría (30 horas), como para las prácticas (15 horas). También se mantiene el mismo volumen de estudio y trabajo autónomo del alumno con un volumen total de trabajo de 112,5 horas.

Dada la organización de la docencia de forma híbrida, las clases de teoría se realizarán 100% de forma no presencial pero síncrona, según el horario programado por la facultad. Las horas prácticas se realizarán 100% de forma presencial, siempre que las autoridades sanitarias y universitarias así lo permitan.

3. METODOLOGÍA DOCENTE

Sustitución de las clases presenciales de teoría por videoconferencia síncrona mediante la herramienta *Blackboard Collaborate* en los días y horas correspondientes al horario de la clase teórica. Las sesiones podrán ser grabadas y los alumnos/as tendrán acceso a los enlaces de las grabaciones. Se podrán plantear actividades durante las sesiones teóricas mediante diferentes herramientas del Aula Virtual. Estas actividades también se corregirán y comentarán en las clases teóricas.

Algunas de estas actividades, dado que se corrijan de forma síncrona en la sesión correspondiente, podrán ser NO recuperables (en ese caso se procederá a avisar con anterioridad de esta circunstancia). Por su parte, las sesiones prácticas serán presenciales. En caso de cambios que obligan a una docencia íntegramente *online*, las sesiones prácticas se adaptarán para impartirse con una combinación de contenidos síncronos mediante *Blackboard Collaborate* y otras actividades utilizando las herramientas del Aula Virtual.

Sistema de tutorías: se mantiene el programa de tutorías virtuales y se introducen tutorías mediante videoconferencia de forma síncrona con las tutorías presenciales.

4. EVALUACIÓN

En el caso de una situación de docencia mixta (semipresencial) los contenidos teóricos se evaluarán mediante una prueba presencial que constará de preguntas objetivas tipo test y preguntas abiertas de desarrollo. El porcentaje de la calificación total asociado a esta prueba será del 40%. En el caso de que no fuera posible un examen presencial, la evaluación se haría mediante la herramienta "cuestionarios" del Aula Virtual. Por su parte, los contenidos prácticos se evaluarán de manera continuada y podrán suponer hasta el 60% de la nota. Estos porcentajes vendrán conformados por la suma del 50% que se podrá obtener mediante las actividades, ejercicios, informes, memorias, etc., planteadas en las sesiones prácticas, y un 10% de las actividades de aula planteadas durante las clases teóricas.

En el caso de una situación de docencia totalmente *online*, el examen final tendrá un peso del 30% de la calificación total y se llevará a cabo mediante la herramienta "cuestionarios" del Aula Virtual. La parte de evaluación continua supondrá el 70% restante, subdividido en un 60% de las actividades planteadas en las sesiones prácticas, y un 10% de las actividades de aula planteadas en las sesiones teóricas.

La nota final de la asignatura se obtiene de la suma ponderada de las notas de cada parte de la evaluación, siempre que se haya superado la parte correspondiente a las pruebas escritas convocadas de forma oficial y en el informe de prácticas.

5. BIBLIOGRAFÍA



La bibliografía recomendada en la guía de la asignatura se mantiene ya que es complementaria (no obligatoria) a las presentaciones y materiales subidos en el Aula Virtual. En caso de docencia totalmente *online*, si algún material no está accesible, se podrá sustituir por contenidos elaborados por la profesora y depositados en el Aula Virtual.

