COURSE DATA

Data Subject	
Code	41092
Name	Clinical odontological research
Cycle	Master's degree
ECTS Credits	15.0
Academic year	2020 - 2021

Study (s)

Degree	Center	Acad. year	Period
2006 - M.U. en Ciencias Odontológicas 09-V.1	Faculty of Medicine and Odontology	1	Second term

Subject-matter

Degree	Subject-matter	Character
2006 - M.U. en Ciencias Odontológicas 09-V.1	3 - Clinical research in dentistry	Obligatory

Coordination

Name	Department
ALMERICH SILLA, JOSE MANUEL	131 - Stomatology
CATALA PIZARRO, MONTSERRAT	131 - Stomatology
FAUS LLACER, VICENTE JOSE	131 - Stomatology
FORNER NAVARRO, LEOPOLDO	131 - Stomatology
GANDIA FRANCO, JOSE LUIS	131 - Stomatology
PAREDES GALLARDO, VANESSA MARIA DE	131 - Stomatology

SUMMARY

The second semester of the Master in Odontologic Sciences has a students (doctors and / or dentist) whose formative base already is very wide. Of a side they have received, in his respective masters, a professional training and an enormous baggage of knowledge in his respective scientific fields. The bases of the health as well as the fisiopatología of the disease and the preventive and therapeutic aspects have been widely developed.

On the other hand, in the first semester of the Master they have achieved the aptitudes and capacities demonstrated with the overcoming of the tests of evaluation of the first two modules, in relation to the bases necessary to be able to carry out a scientific work with the methodological desirable guarantees.

It can only, for this second semester, to know so in depth the specific topics in Odontolgy capable of major investigative need and / or of development, which they might, in outline to orientate the pupils to direct his worries in the field of the investigation. Thus, 15 credits will distribute between four big fields of knowledge that in the current Odonto-stomatology we recognize and that there constitute four Educational Units of which stomatology's Department consists, and that were busy with developing before the students the new aspects, structural and of development that it encourage the student to implement, on these topics, the learned aptitudes in the modules I and II, and on them base of his knowledge as licentiates.

Thus, the distribution of the credits would be:

-3.5 credits ECTS of Medical - surgical dentistry.

-3.5 credits ECTS of Paediatrics dentistry and Orthodontics.

-3.5 credits ECTS of Conservative and Preventive dentistry

-3.5 credits ECTS of Prostodontics and Occlusion

PREVIOUS KNOWLEDGE

Relationship to other subjects of the same degree

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

Other requirements

The profile of recommended revenue is Licentiate or grade in Dentistry, Licentiate or grade in medicine and Medical specialists in Stomatology
Previous competences recommended for a better utilization of the master:
Knowledge of English language (level of reading and comprehension of scientific texts in the area of the Sciences of the Health).
Knowledge of computer science to level of advanced user of programs Word, Excel, Acces, Powertpoint.

OUTCOMES

2006 - M.U. en Ciencias Odontológicas 09-V.1

- Saber aplicar los conocimientos adquiridos y ser capaces de resolver problemas en entornos nuevos o poco conocidos dentro de contextos más amplios (o multidisciplinares) relacionados con su área de estudio.

- Saber comunicar sus conclusiones y los conocimientos y razones últimas que las sustentan a públicos especializados y no especializados de un modo claro y sin ambigüedades.
- Ser competentes en el desarrollo de las técnicas de investigación propias del ámbito de la Estomatología y la Odontología, así como en la evaluación e interpretación de los resultados obtenidos mediante las mismas.
- Ser capaces de trabajar en un grupo de investigación consolidado.
- To have the ability to choose the more suitable laboratory technique or techniques to deal with the research problem set out.
- Be able to integrate knowledge and handle the complexity of formulating judgments based on information that, while being incomplete or limited, includes reflection on social and ethical responsibilities linked to the application of knowledge and judgments.
- Poseer las habilidades de aprendizaje que les permitan continuar estudiando de un modo que habrá de ser en gran medida autodirigido o autónomo
- Ser competentes para la realización del diagnóstico, una vez recogidos los datos clínicos de exploración del paciente y posteriormente elaborar un diseño terapéutico adecuado

LEARNING OUTCOMES

The application of the acquired knowledge and the aptitude to solve problems in environments new or little known inside more wide contexts (or multidisciplinary) related to his area of study (competence number 1).

The aptitude to integrate knowledge and to face the complexity of formulating judgments from an information that, being incomplete or limited, includes reflections on the social responsibilities and ethics linked to the application of his knowledge and judgments (competence number 2).

The communication of conclusions (and the knowledge and last reasons that sustain them) to public specialized and not specialized in a clear way and without ambiguities (competence number 3).

The skill to continue studying of a way self-guided or autonomous (competence number 4).

The work in a group of investigation consolidated (competence number 5).

The development of the own technologies of investigation of the area of Dentistry, as well as in the evaluation and interpretation of the results obtained by means of the same ones (competence number 6).

The choice of the technology or laboratory technologies most adapted to the problem of investigation raised (competence number 7).

The accomplishment of the diagnosis, once gathered the clinical information of exploration of the patient and later the production a therapeutic suitable design (competence 8).

DESCRIPTION OF CONTENTS

1. INVESTIGATION IN ORAL MEDICINE AND ORAL SURGERY

-Investigation in autoimmune pathology of the mucous oral one and investigation in tumour pathology of the oral cavity.
-Investigation in oral surgery thecnologies.
-Investigation in new anestesiology contributions.
-Investigation in implantology.
-investigation in odontology special care.
-New aspects of the investigation in periodontal diseases.

2. INVESTIGATION IN PAEDIATRIC DENTISTRY AND ORTHODONTICS

Investigation of the dental morphologic alterations and occlusion.

3. INVESTIGATION IN RESTORATIVE AND PREVENTIVE DENTISTRY

- investigation in the fisiopathology of the dental caries.
- investigation in Preventive and Community Dentistry.
- Evolution and investigation of the materials in Conservative dentistry.
- Development and investigation of new technologies in Conservative Dentistry.
- investigation in Cariology.
- investigation in Endodontics.

4. INVESTIGATION IN PROSTHODONTICS AND OCCLUSION

Evolution and investigation of the used materials on teeth and implants in Prosthodontics.

WORKLOAD

ACTIVITY	Hours	% To be attended
Laboratory practices	37,50	100
Seminars	22,50	100
Theory classes	15,00	100
Tutorials	7,00	100
Other activities	3,00	100
Attendance at events and external activities	20,00	0
Development of group work	40,00	0
Development of individual work	70,00	0
Study and independent work	100,00	0

Preparation of practical classes and problem	60,00	0
TOTAL	**375,00**	

TEACHING METHODOLOGY

The methodology will be: magisterial classes with support of projectors with presentations type power-point, practical classes with computers and diverse devices, classes of laboratory, as well as individual works and in group.

EVALUATION

The assessment of the module will consist of the valuation of the assistance to the theoretical classes as well as the participative attitude (1/3 of the final note), close to the valuation of the works proposed (1/3 of the note) close to an multiple-choice question test about the contents of the module (1/3 of the note).

REFERENCES

Basic

- Ortodoncia. Principios y técnicoas actuales. Graber; Vanarsdall Vig. Ed. Elsevier (2006).
- Fundamentos de medicina y patología oral. Cawson R.A; Odell E.W. Ed. Elsevier (2009)
- Cariología, prevención, diagnóstico y tratamiento contemporaneo de la caries dental. Zeif R; Bóveda C. Ed. Actualidades médico-odontológicas Latino-américana (1997)
- Periodontología clínica e implantologia odontológica. Land; Karring. Ed. Médica-panamericana (2008).
- Odontología preventiva y comunitaria. Principios, métodos y aplicaciones. 3ª edición. Cuenca Sala E.; Baca García P. Ed. Elsevier Masson (2005).

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. Contents:

There are no changes

2. Volume of work and temporary planning of teaching

The teaching load foreseen in the 2019-20 course guide is maintained, as well as the timing of teaching, taking into account the change in teaching methodology specified in the following section.

3. Teaching methodology

It is proposed to teach both theory classes and seminars in a non-face-to-face way, through the use of live presentations, videos or videoconferences that teachers will teach in the Virtual Classroom environment. To supplement the laboratory practices, demonstration videos prepared by the different professors of the four teaching units of the Department of Dentistry that participate in the teaching of this subject will be made available to the students. Regarding regulated tutorials and other face-to-face activities provided in the original guide, electronic tutoring or communications by email, telephone or videoconference will be carried out.

4. Evaluation

The evaluation will be carried out by means of the presentation, by the students, of works by means of the application of tasks of Virtual Classroom of the University of Valencia, as well as by the realization of questionnaires available in this same application.

5. Bibliography

There are no changes. Teachers provide students with the necessary texts available in the repertoire of databases at the University of Valencia.