



Information about the subject

Degree: Bachelor of Science Degree in Dentistry

Faculty: Faculty of Medicine and Health Sciences

Code: 480505 **Name:** Bachelor's Thesis

Credits: 12,00 **ECTS Year:** 5 **Semester:** 1/2

Module: Module 6: Supervised Internship and Final Degree Project

Subject Matter: GRADUATION WORK **Type:** Final Degree Project

Field of knowledge: Health Sciences

Department: Dentistry

Type of learning: Classroom-based learning

Languages in which it is taught: English, Spanish

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Module organization

Module 6: Supervised Internship and Final Degree Project

Subject Matter	ECTS	Subject	ECTS	Year/semester
PRACTICUM	24,00	Adult Comprehensive Dentistry	12,00	5/2
		Child Comprehensive Dentistry	12,00	5/2
GRADUATION WORK	12,00	Bachelor's Thesis	12,00	5/2

Recommended knowledge

It is necessary to have passed 240 credits for the defense of the TFG.

Prerequisites

La defensa pública del trabajo fin de Grado no podrá realizarse hasta no haber superado el 80 por 100 del total de los créditos de grado (300 ects).



Learning outcomes

At the end of the course, the student must be able to prove that he/she has acquired the following learning outcomes:

- R1 Shows competence in the search and management of information.
- R2 Proves communication skills in the oral presentation of their work, before the director and the evaluation committee.
- R3 Proves capacity for synthesis, critical analysis of information, and organization.
Autonomous work.
- R4 Demonstrates development of the necessary skills to practice the profession of dentist.



Competencies

Depending on the learning outcomes, the competencies to which the subject contributes are (please score from 1 to 4, being 4 the highest score):

GENERAL	Weighting			
	1	2	3	4
CG1 I aCapacity for analysis and synthesis				X
CG2 I bOrganizational and planning skills				X
CG3 I cOral and written communication in the native language				X
CG23 S Motivation for quality				X
CG4 I dKnowledge of a foreign language			X	
CG14 F Critical Reasoning				X
CG5 I eComputer skills related to the field of study				X
CG15 F Ethical commitment				X
CG6 I f Information management capacity				X
CG16 S Autonomous learning				X
SPECIFIC	Weighting			
	1	2	3	4
CE A 1 Know the essential elements of the dental profession, including ethical principles and legal responsibilities.				X
CE A 2 Understand the importance of such principles for the benefit of the patient, society and the profession, with special attention to professional secrecy.				X



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Psychological and physical problems derived from dental trauma in order to train students in the prevention, management, and rehabilitation of the victims of this type of accident.		X	
The medical sciences on which dentistry is based, specifically oral care.			X
To know the normal structure and function of the teeth and at the molecular, cellular, tissue and organic level, as well as the bases of life.			X
To know the science of biomaterials essential for the immediate management of possible accidents.		X	
Disease processes, including infection, immunological system disorders, degeneration, neoplasm, hereditary and genetic disorders.			X
Local pathological features of diseases and systemic diseases, specifically those with oral manifestations.			X



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perform a complete oral examination, including the history and complementary examination tests, as well as adequate clinical references.		X
make a diagnostic judgement and establish a treatment strategy, being competent in the recognition of dental emergencies and dental care.		X
make a prognosis and adequate therapeutic decisions in all areas of dentistry, being competent in the elaboration of the dental treatment plan of dental care, including medically compromised patients (diabetic, hypertensive, immunosuppressed, etc.) and patients with disabilities.		X
manage emergency situations and know how to perform basic life support techniques.		X
treat the most common oral diseases. Therapeutic procedures should be performed with minimum invasion and on a global and coordinated manner.		X
carry out multidisciplinary, sequential and interdisciplinary treatments of limited complexity in patients of all ages and patients requiring special care.		X



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CE D 2	Plan and propose the appropriate preventive measures for each clinical situation.		X
CE D 2	Acquire clinical experience under proper supervision.		X
CE E 2	Recognize the determinants of oral health in the population, both genetic and lifestyle-dependent, demographic, environmental, social, economic, psychological and cultural.		X
CE E 3	Recognise the role of the dentist in actions to prevent and protect against oral diseases, as well as in the maintenance and promotion of health, both at individual and community level.		X
CE E 3	Know the National Health System, as well as the basic aspects of health legislation, clinical management and proper use of health resources, understanding the importance of the role of the dentist in the field of Primary Health Care.		X

TRANSVERSAL		Weighting			
		1	2	3	4
1. a.	Analysis and synthesis skills				X
1. b.	Organizational and planning capacity				X
1. c.	Oral and written communication in the native language.				X
1. d.	Knowledge of a foreign language				X
1. e.	Computer skills				X
1. f.	Information management capacity				X
1. g.	Problem solving				X
1. h.	Decision making				X
2. i.	Teamwork		X		
2. j.	Multidisciplinary teamwork		X		



2. k.	Work in an international context			X
2. l.	Interpersonal skills			X
2. m.	Recognition of diversity and multiculturalism	X		
2. n.	Critical Reasoning			X
2. o.	Ethical commitment			X
3. p.	Autonomous learning			X
3. q.	Adaptation to new situations			X
3. r.	Creativity			X
3. s.	Leadership			X
3. t.	Knowledge of other cultures and customs	X		
3. u.	Initiative and entrepreneurship			X
3. v.	Motivation for quality			X
3. w.	Sensitivity to environmental and socio-health issues			X



Assessment system for the acquisition of competencies and grading system

Assessed learning outcomes	Granted percentage	Assessment method
R1, R2, R3, R4	5,00%	POSTER: Presentation and defence of a scientific dissemination poster associated with the written Final Degree Project dissertation. Assessed by a board.
R1, R2, R3, R4	55,00%	FINAL DEGREE WRITTEN PROJECT: Written dissertation of Final Degree Project. Final production assessed by a board.
R1, R2, R3, R4	10,00%	FINAL DEGREE PROJECT DIRECTOR ASSESSMENT: Evaluation by means of a rubric of the tutoring of the work.
R1, R3, R4	5,00%	ATTENDANCE AND PARTICIPATION IN SEMINARS
R2	25,00%	ORAL PRESENTATION OF THE FINAL DEGREE PROJECT: Oral Defense of the Final Degree Project before a committee

Observations

For the presentation and defense of the TFG, **the student must have passed 240 ECTS of the degree.**

The student will not be able to **access the oral presentation of the TFG if he/she has not obtained, at least, 50% of the grade, both in the percentages of:**

- WRITTEN WORK TFG.
- ATTENDANCE AND PARTICIPATION IN SEMINARS.
- EVALUATION OF THE DIRECTOR OF THE THFG.

The oral presentation will take place, in a public act, and will consist of:

- 10 minutes of oral defense.
- 5 minutes for questions from the examining board.

CRITERIA FOR THE AWARDING OF HONORS:

According to article 22 of the Regulatory Regulations for the Evaluation and Grading of UCV



Subjects, the mention of "Matrícula de Honor" may be granted by the professor responsible for the subject to students who have obtained the grade of "Outstanding". The number of "Matrícula de Honor" mentions that may be awarded may not exceed five percent of the students included in the same official transcript, unless this is less than 20, in which case only one "Matrícula de Honor" may be awarded.

*This course does not allow for a single final assessment, as it requires the mandatory completion of practical activities with active student participation.

MENTION OF DISTINCTION:

In accordance with the regulations governing the assessment and grading of subjects in force at UCV, the distinction of "Matrícula de Honor" (Honours with Distinction) may be awarded to students who have achieved a grade of 9.0 or higher. The number of "Matrículas de Honor" (Honours with Distinction) may not exceed five percent of the students enrolled in the group for the corresponding academic year, unless the number of enrolled students is fewer than 20, in which case a single "Matrícula de Honor" (Honours with Distinction) may be awarded. Exceptionally, these distinctions may be assigned globally across different groups of the same subject. Nevertheless, the total number of distinctions awarded will be the same as if they were assigned by group, but they may be distributed among all students based on a common criterion, regardless of the group to which they belong. The criteria for awarding "Matrícula de Honor" (Honours with Distinction) will be determined according to the guidelines stipulated by the professor responsible for the course, as detailed in the "Observations" section of the evaluation system in the course guide.

Learning activities

The following methodologies will be used so that the students can achieve the learning outcomes of the subject:

- | | |
|-----|--|
| M6 | Discussion and problem solving. |
| M7 | Mentoring: the student will receive personalised attention, when requested, from each teacher and his/her final degree project supervisor. |
| M8 | Oral presentations by students. |
| M9 | Group work: group work sessions supervised by the teacher.
Knowledge building through interaction and activity of students. |
| M12 | Seminars, supervised monographic classes with shared participation. |
| M13 | Personal preparation of written texts, essays, problem solving, seminars. |



IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
SEMINAR M6, M9, M12, M13	R1, R4	40,00	1,60
TUTORING M7, M13	R1, R3, R4	10,00	0,40
EVALUATION M8, M13	R2, R3	2,00	0,08
TOTAL		52,00	2,08

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL WORK M6, M7, M8, M9, M12, M13	R1, R2, R3, R4	248,00	9,92
TOTAL		248,00	9,92



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
BLOCK I: Introduction to Research Methodology	1. The scientific method. 2. Causality. 3. Hypothesis. 4. Study design.
BLOCK II: Bibliographic review	1. Sources of information in Health Sciences. 2. Methodology of the bibliographic search. 3. Search in Medical Databases. 4. Bibliographic references and citation systems: Vancouver style.
BLOCK III: Statistics	1. Use of Excel to tabulate data. 2. Description of a continuous variable (fStats Continuous Variable). Numerical description: mean, standard deviation, percentiles, interval grouping. Description Graphical description: box plot, histogram, normal probability plot. Confidence intervals and hypothesis tests for mean, variance and standard deviation. 3. Comparison of means. Two related populations (fStats Compare 2 Paired Means). Two independent populations (fStats Compare 2 Indep Means). More than two independent populations (fStats 1-way ANOVA, fStats 2-way ANOVA with balanced replicates). 4. Multiple Linear Regression (fSRegresionLinear). 5. Study of qualitative variables (fStats One Proportion, fStats 2 independent proportions, fStats Gi-2 Proportions, fStats Gi-2. Independence and Homogeneity, fStats Control Cases. Independent, fStats Compares 2 treatments). 6. Multiple Logistic Regression (fSLogistic Regression). 7. Minimum sample size (fStats Size).
BLOCK IV: How to present results and speak in public	1. Preparation of scientific reports and posters. 2. Presentation of results by oral communication.



BLOCK V: Tutoring of the execution of the TFG

1. Conducting a literature search and preparing the introduction and bibliography. 2. Elaboration of a working hypothesis and objectives. 3. Collection of materials and execution of methods. 4. Compilation of results. 5. Interpretation of results and elaboration of a discussion. 6. Elaboration of conclusions. 7. Preparation of a summary. 8. Preparation of a final report of the TFG that contains all the previous sections. 9. Preparation of a poster on the TFG carried out. 10. Preparation of an oral presentation of the TFG.

Temporary organization of learning:

Block of content	Number of sessions	Hours
BLOCK I: Introduction to Research Methodology	3,00	6,00
BLOCK II: Bibliographic review	2,00	4,00
BLOCK III: Statistics	8,00	16,00
BLOCK IV: How to present results and speak in public	2,00	4,00
BLOCK V: Tutoring of the execution of the TFG	2,00	4,00



References

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