



Information about the subject

Degree: Bachelor of Science Degree in Dentistry

Faculty: Faculty of Medicine and Health Sciences

Code: 480403 **Name:** Cosmetic Dentistry

Credits: 6,00 **ECTS Year:** 4 **Semester:** 2

Module: Module 4: Dental Pathology and Therapeutics

Subject Matter: DENTAL THERAPY **Type:** Compulsory

Field of knowledge: Health Sciences

Department: Dentistry

Type of learning: Classroom-based learning

Languages in which it is taught: English, Spanish

Lecturer/-s:

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Module organization

Module 4: Dental Pathology and Therapeutics

Subject Matter	ECTS	Subject	ECTS	Year/semester
DENTAL THERAPY	66,00	Cosmetic Dentistry	6,00	4/2
		Orthodontics I	6,00	3/2
		Orthodontics II	6,00	4/1
		Paediatric Dentistry I	6,00	4/1
		Paediatric Dentistry II	6,00	4/2
		Pathology and Dental Therapeutics I	6,00	3/1
		Pathology and Dental Therapeutics II	6,00	3/2
		Pathology and Dental Therapeutics III	6,00	4/1
		Prosthodontics I	6,00	3/1
		Prosthodontics II	6,00	3/2
		Prosthodontics III	6,00	4/1
DENTAL PATHOLOGY	60,00	Dental Traumatology	6,00	5/1
		Dentistry in Special Patients	6,00	4/2
		Emergencies in Dentistry	6,00	5/2
		Legal and Forensic Dentistry	6,00	5/1



DENTAL PATHOLOGY

Oral Medicine	6,00	3/1
Oral Surgery I	6,00	4/1
Oral Surgery II - Implantology	6,00	5/2
Pathology of the Temporo-Mandibular Joint and Orofacial Pain	6,00	4/2
Periodontics I	6,00	3/2
Periodontics II	6,00	4/2



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 Proves knowledge of non-restorative aesthetic procedures. Bleaching and contouring.
- R2 Proves knowledge of aesthetic restorative materials.
- R3 Discerns the difficulties in the reconstruction of proximal faces and contact points: matrices and wedges.
- R4 Distinguishes the difficulties of color evaluation. Translucency and opacity. Surface reflection and visual effects.
- R5 Knows about direct and indirect composite restorations
- R6 Ceramics and aesthetics. CAD-CAM systems.
- R7 Knows about the relationship of aesthetic dentistry with other specialties.
- R8 The student proves to be competent in assessing the optimal aesthetic aspect in a smile and to identify what aspects may be breaking its harmony.
- R9 Proves knowledge of the possibilities of aesthetic restoration with the materials and techniques usually used in reconstruction with fundamentally aesthetic objectives.
- R10 Knows the necessary steps for dental restoration with composite resins and dentin adhesives.
- R11 Knows the necessary steps for dental restoration with dental ceramics and dentin adhesives.
- R12 Develops and applies the necessary elements to prevent dental trauma in the anterior sector.
- R13 Applies the principles of dental aesthetics in the different disciplines of dentistry



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

SPECIFIC	Weighting			
	1	2	3	4
CE A 7 Promote autonomous learning of new knowledge and techniques, as well as motivation for quality.				X
CE A 9 Understand the importance of maintaining and using records with patient information for subsequent analysis, preserving the confidentiality of the data.			X	
CE C 2Knowing how to perform a complete oral examination, including the appropriate radiographic and complementary examination tests, as well as obtaining appropriate clinical references.			X	
CE C 2Be able to make an initial diagnostic judgement and establish a reasoned diagnostic strategy, being competent in the recognition of situations requiring urgent dental care.				X
CE D 2Know and apply the basic treatment of the most common oral pathology in patients of all ages. Therapeutic procedures should be based on the concept of minimum invasion and on a global and integrated approach to oral treatment.				X
CE D 2Know how to plan and carry out multidisciplinary, sequential and integrated dental treatments of limited complexity in patients of all ages and conditions and patients requiring special care.				X
CE D 2Plan and propose the appropriate preventive measures for each clinical situation.			X	



CE D 2 Acquire clinical experience under proper supervision.

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

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, R5, R6, R7, R8, R9, R10, R11, R12, R13	40,00%	OPEN QUESTIONS: Written exam in which basic theory knowledge and the ability to relate, integrate and coherently express it in writing is assessed.
R5, R8, R11	20,00%	PRACTICAL: Written test in which the student is asked to solve practical exercises, clinical cases or problems about the contents of different subjects.
R7, R8, R9, R10, R11, R12, R13	40,00%	PRACTICAL EXAM: The student carries out a test in which he/she must show by means of practical application the acquisition of certain knowledge. For example, histological or anatomopathological diagnoses, interpretation of images or diagnostic tests.

Observations

THE STUDENT HAS THE OBLIGATION TO COMPLY WITH THE REGULATIONS OF UCV CLINICS (BOTH IN THE LABORATORY AND IN THE DENTAL OFFICE), REGARDING: DRESS, CARE OF THE FACILITIES AND BEHAVIOR, NON-COMPLIANCE WILL RESULT IN A SANCTION/EXPULSION FROM THE PRACTICE.

THE STUDENT MUST HAVE THE NECESSARY LANGUAGE SKILLS FOR THE CARE OF PATIENTS IN CLINICAL PRACTICES.

IN ORDER TO PASS THE SUBJECT IN THE FINAL SCORE OF THE EXAM IT IS NECESSARY TO HAVE 5 OR MORE IN OVERALL MARK

·THE THEORETICAL EXAM CONSISTS OF 10 SHORT QUESTIONS AND THE PRACTICAL EXAM OF 10 IMAGES

IMPORTANT: THE STUDENT MUST GET AT LEAST A 4 IN EACH OF THE TESTS TO BE AVERAGED, SO IF THE STUDENT GETS LESS THAN THAT SCORE IN ONE OF THEM, THEY WILL NOT GET AN AVERAGE WITH THE REST OF THE TESTS AND WILL BE SUSPENDED.

PRACTICAL ASSISTANCE:

ATTENDANCE TO PRACTICES IS 100% MANDATORY.

PRACTICES WILL BE CARRIED OUT EVERY THURSDAY MORNING (OR ASSIGNED DAY) IN ALTERNATE GROUPS. THE NUMBER OF PRACTICES WILL BE SIX EACH GROUP.

THE MAXIMUM NUMBER OF JUSTIFIED PRACTICES THAT CAN BE MISSED WILL BE 2

THE ABSENCES CAN ONLY BE JUSTIFIED, WITH THE SAME REASONS AS THE UCV STATUTES FOR CHANGE OF THE EXAM DATE



IF THEY EXCEED THE MAXIMUM NUMBER OF JUSTIFIED ABSENCES ALLOWED, THEY MUST PRESENT DIRECTLY THE EXAM AT THE 2nd CALL UP TO A MAXIMUM OF 3. IF THEY EXCEED THE CAP FOR THE 2ND CALL OR THEY ARE NOT JUSTIFIED, THEY WILL HAVE TO TAKE THE ENTIRE SUBJECT AGAIN NEXT YEAR.

IF A STUDENT FAILS THE SUBJECT BUT HAS APPROVED THE PRACTICES, THEY DO NOT NEED TO DO THEM AGAIN.

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:

- M1 Lecture.
 Problem Solving.
 Explanation of contents by the teacher.
 Explanation of knowledge and skills.
- M2 Practical basic sciences laboratory sessions, practical
 simulation laboratory sessions, virtual hospital and
 dissecting room.
- M3 Problem and case solving.
 Social action activities.
- M4 Group work with research, discussion and filtering information about the degree
 subjects.



- M6 Discussion and problem solving.
- M8 Oral presentations by students.
- M9 Group work: group work sessions supervised by the teacher.
Knowledge building through interaction and activity of students.
- M10 Carrying out bibliographic reviews and practical work experience dissertations.
- M11 Practical in-person classes in clinics linked to the university, where the student will carry out different treatments under direct supervision from the assigned tutor.
- M12 Seminars, supervised monographic classes with shared participation.
- M13 Personal preparation of written texts, essays, problem solving, seminars.
- M15 Personalised Attention. Period of instruction and/or guidance carried out by a tutor with the aim of analysing with the student his/her work, activities and evolution in learning of subjects.



IN-CLASS LEARNING ACTIVITIES

	LEARNING OUTCOMES	HOURS	ECTS
THEORY CLASS M1, M6	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13	20,00	0,80
PRACTICAL CLINICAL SESSION M11	R5, R8, R10	60,00	2,40
SEMINAR M2, M3	R1, R2, R6, R8, R9	40,00	1,60
EVALUATION M12	R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13	3,00	0,12
PRACTICAL CLASS M2, M4, M6	R1, R2, R5	7,00	0,28
TOTAL		130,00	5,20

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL WORK		20,00	0,80
TOTAL		20,00	0,80



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
DIAGNOSTIC	Aesthetic clinical history. Aesthetic diagnosis. Planning
MATERIALS	Materials used in dental aesthetics. ceramics. Composites
DENTAL CERAMICS	Crown preparation, bridges and veneers. Analog systems and CAD-Cam
COMPOSITES	Composites composition. Indications. Advantages and disadvantages
INCRUSTATIONS	Inlay. Onlay. Overlay. Endocrown. Used materials
ASSOCIATED PATHOLOGY	Alterations that require aesthetic treatment. Dental stains. Treatment for changes in the shape and color of the teeth. teeth whitening
RELATION WITH OTHER SPECIALITIES	Relationship of aesthetic dentistry with other specialties. Orthodontics. Surgery. periodontics



Temporary organization of learning:

Block of content	Number of sessions	Hours
DIAGNOSTIC	8,00	16,00
MATERIALS	7,00	14,00
DENTAL CERAMICS	10,00	20,00
COMPOSITES	10,00	20,00
INCRUSTATIONS	15,00	30,00
ASSOCIATED PATHOLOGY	10,00	20,00
RELATION WITH OTHER SPECIALITIES	5,00	10,00

References

JAVIER GARCÍA BARBERO. Patología y Terapéutica Dental. 1ª Edición. Ed. Síntesis. Madrid
GEORGE A. FRREDMAN. CONTEMPORARY ESTHETRIC DENTISTRY. ELSEVIER.
MISSOURI
KENNETH W. ASCHHEIM. ESTHETIC DENTISTRY. A CLINICAL APPROACH TO
TECHNIQUES AND MATERIALS. 3rd EDITION. Ed ELSEVIER. NEW YORK