



Information about the subject

Degree: Bachelor of Science Degree in Dentistry

Faculty: Faculty of Medicine and Health Sciences

Code: 480502 **Name:** Adult Comprehensive Dentistry

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

Module: Module 6: Supervised Internship and Final Degree Project

Subject Matter: PRACTICUM **Type:** Internship

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 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

Knowledge is required in:

1. Dental Pathology and Therapeutics
2. Endodontics: diagnosis, techniques, endodontic prognosis and restoration of the endodontic tooth
3. Conservative Dentistry
4. Aesthetic and cosmetic dentistry
5. Removable prosthesis: partial resin and skeletal
6. Total Removable Prosthesis
7. Dental emergencies and pharmacology
8. Fixed prosthesis: from provisional to cemented
9. Dental cements: sealants and adhesives
10. Periodontology
11. Surgical techniques: oral surgery

Prerequisites

Necesarios tener superados 228 créditos para matricularse del Practicum. Es obligatoria la superación del CURSO DE CAPACITACIÓN para la realización del Practicum.



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 to be competent in educating patients and carrying out a complete primary care in patients of all ages and conditions; which emphasizes the current concepts of prevention and treatment of oral diseases and supports the need for the maintenance of systemic and oral health.
- R2 Proves to be competent in diagnosing the diseases and alterations of the oral mucosa, maxillary bones and salivary glands most frequent in patients of all ages and conditions.
- R3 Proves to be competent in diagnosing periodontal diseases of patients of all ages and conditions, being able to establish an adequate maintenance and prevention plan by screening the main risk factors.
- R4 Proves to be competent in diagnosing the need to restore or replace teeth in order to provide acceptable shape, function and esthetics in patients of all ages and conditions.
- R5 Proves to be competent at diagnosing and preventing malocclusions in the primary, mixed or permanent dentition in patients of all ages and conditions.
- R6 Proves to be competent at effectively preventing most medical and dental emergencies that may be associated with the practice of dentistry in patients of all ages and conditions.
- R7 Carries out a comprehensive treatment plan for the paediatric patient.
- R8 Manages integral treatments in the infant patient.



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 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
CE A 3 Identify the patient's concerns and expectations, as well as to communicate effectively and clearly, both orally and in writing, with patients, relatives, the media and other professionals.				X
CE A 4 Understand and recognize the social and psychological aspects relevant to the treatment of patients.				X
CE A 5 Know how to apply the principles of anxiety and stress management to oneself, to patients and to other members of the dental team.				X
CE A 6 Understand the importance of developing a professional practice with respect to patient autonomy, beliefs and culture.				X
CE A 7 Promote autonomous learning of new knowledge and techniques, as well as motivation for quality.				X
CE A 8 Know how to share information with other health professionals and to work as a team.				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 A 10 Know and identify the psychological and physical problems derived from gender violence in order to train students in the prevention, early detection, assistance, and rehabilitation of the victims of this form of violence.										X
CE B 11 Understand the basic biomedical sciences on which dentistry is based to ensure proper oral care.										X
CE B 12 Understand and recognize the normal structure and function of the stomatognathic system, at the molecular, cellular, tissue and organic level, in the different stages of life.										X
CE B 13 Understand and recognize the science of biomaterials essential for dental practice as well as the immediate management of possible allergies to them.										X
CE B 14 Know about general disease processes, including infection, inflammation, immune system disorders, degeneration, neoplasm, metabolic disorders and genetic disorders.										X
CE B 15 Be familiar with the general pathological features of diseases and disorders affecting organ systems, specifically those with oral impact.										X
CE B 16 Understand the fundamentals of action, indications and efficacy of drugs and other therapeutic interventions, knowing their contraindications, interactions, systemic effects and interactions on other organs, based on available scientific evidence.										X
CE B 17 Understand and recognize the principles of ergonomics and safety at work (including control of cross-infection, radiation protection and occupational and biological diseases).										X
CE B 18 Know, critically evaluate and know how to use clinical and biomedical information sources to obtain, organize, interpret and communicate scientific and health information.										X
CE B 19 Know the scientific method and have the critical capacity to value the established knowledge and the new information. Be able to formulate hypotheses, collect and critically evaluate information for the resolution of problems, following the scientific method.										X
CE C 20 Obtain and prepare a medical history containing all relevant information.										X



CE C 2	Knowing 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 2	Be 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 C 2	Establish the diagnosis, prognosis and adequate therapeutic planning in all clinical areas of dentistry, being competent in the diagnosis, prognosis and elaboration of the dental treatment plan of the patient requiring special care, including medically compromised patients (such as diabetics, hypertensive, immunosuppressed, anticoagulated, among others) and patients with disabilities.								X
CE C 2	Recognize life-threatening situations and know how to perform basic life support maneuvers.								X
CE D 2	Know 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 2	Know 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 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
	0,00%	OPEN QUESTIONS: Written exam in which basic theory knowledge and the ability to relate, integrate and coherently express it in writing is assessed.
	30,00%	MULTIPLE CHOICE TEST: Multiple choice test with one correct answer. This shows to greater extent the contents acquired by the student.
	0,00%	CLASS PARTICIPATION: The teacher assesses the participation, involvement and progress the student makes in acquiring knowledge and skills in theory and practical classes and seminars. This is never more than 5% of the final grade.
	30,00%	PRACTICUM REPORT
	40,00%	EXTERNAL TUTOR EVALUATION REPORT

Observations

ATTENDANCE: The total number of clinical practices and clinical sessions in "Integral del Adulto" is 35 each. Attendance is mandatory at 90% (32). Students are allowed to be absent for a maximum of 3 justified clinical practices and/or clinical sessions in total. Absences can only be justified with the same reasons stated in the UCV statutes for rescheduling exams. If the maximum number of allowed justified absences is exceeded, students must directly attend the 2nd examination period. To access the 2nd examination period, the student must not exceed 3 justified absences or have more than 1 unjustified absence. If this limit is exceeded, the student will have to retake the subject next year. Students are obligated to comply with the UCV clinical regulations regarding attire, facility care, and behavior. Failure to comply will result in a penalty/expulsion from the practice. Students must possess the necessary linguistic competencies for patient care during clinical practices

Attendance to the seminars is mandatory.

All students will carry out practices on Mondays and Thursdays. The clinical session day will change in February.

It's not possible to make changes of practice days



EVALUATION:

30% Multiple-choice questions. A minimum score of 5 is required to calculate the average.

30% Clinical Practice Report, to be submitted in two parts, the first in January and the second in June. A final grade of 6 is necessary to calculate the average.

40% Tutor's Report. A final grade of 6 is necessary to calculate the average.

SECOND REGISTRATION STUDENTS: Second registration students must retake the entire subject, including clinical practices and clinical sessions.

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:

- 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.
- M14 Clinical study and problem and case solving through Dentistry based on scientific evidence.
- 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
PRACTICAL CLINICAL SESSION M3	R1, R4, R5, R6	240,00	9,60
SEMINAR M4, M6, M8	R3, R4	50,00	2,00
TUTORING M15	R6	2,00	0,08
TOTAL		292,00	11,68

LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL WORK M3, M6	R4	8,00	0,32
TOTAL		8,00	0,32



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block

Contents



CONTENTS:

BLOCK I: CLINICAL HISTORY.PHARMACOLOGY. ANESTHESIOLOGY ANDANATOMY. PROTOCOLS OFPERFORMANCE. DIAGNOSISDIFFERENTIAL MUCOUS PATHOLOGYORAL. Initial block, to consolidate the bases of the course. BLOCK II: CRITERIA DIAGNOSES AND ACTION INCONSERVATIVE DENTISTRY.In this block, we will emphasize dentistryconservative and restorative. In addition, we will give topicsrelated to endodontics.BLOCK III: BASIC PERIODONTICS ANDADVANCED. DIAGNOSIS PERIODONTAL.Basic periodontics and its interrelationships will be reviewed inall fields of dentistry.BLOCK IV: BASIC SURGERY AND ADVANCED.Block directly related to Oral Surgery, ineach and every one of the fields and related totheadult patients.BLOCK V: PARAMETERS AESTHETICS. DENTAL COSMETICS.This block is in our syllabus so that the studentUnderstand what dental aesthetics and analyzes and tests arethat must be carried out and also, can understand andlearn about the latest techniques in the most popular fieldmoving forward today.BLOCK VI: FIXED, MIXED AND PROSTHESISCONVENTIONAL REMOVABLE.CRITERIA AND PROTOCOLSPERFORMANCE. COMMUNICATION WITH HIMLABORATORY. CLINICAL SESSIONS.DENTAL CEMENTS.Block where all prosthetic aspects ofeach and every one of the prostheses that a person can wearadult patient. BLOCK VII: PROCESSES CONSUMPTIONS AND PARAFUNCTIONS.DENTIN HYPERSENSITIVITY.We will talk about disorders such as erosion, abrasion andabfractions. In addition, we will present protocolsassociated and we will finish with the treatment of theDentin hypersensitivity (diagnosis and prognosis).BLOCK VIII: THE IMPLANT ASPROSTHETIC Abutment. FIXED PROSTHESIS ANDREMOVABLE ON IMPLANTS.In this block we present basic implantology in theadult patient and the prostheses that may be associated withsaid treatment.BLOCK IX: DENTISTRYMULTIDISCIPLINARY.In this block, we will address clinical cases andsituations that interrelate all the specialties ofModern dentistry in the adult patient.BLOCK XADULT PATIENT. PHARMACOLOGYACUTE AND



CHRONIC PROCESSES.FAILURES.Finally, in this block we will talk about how to maintain the treatments we have performed in the mouth and what we must do in each of the reviews. Besides, We will study failures in endodontics, prosthetics, implantology, etc. And the complications associated with dental specialties.

BLOCK XI: DIGITAL DENTISTRY

Temporary organization of learning:

Block of content	Number of sessions	Hours
CONTENTS:	25,00	50,00



References

1. FUNDAMENTOS ESENCIALES EN PRO'TESIS FIJA, TERCERA EDICIO'N SHILLINGBURG H.,QUINTESENCE BOOKS2. LINDHE J, KARRING T, LANG NP. PERIODONTOLOGI'A CLI'NICA E IMPLANTOLOGIA ODONTOLO'GICA (4A EDICIO'N). MADRID: EDITORIAL PANAMERICANA, 2003.

3. BARRANCOS MOONEY, J-BARRANCOS, P (2008). OPERATORIA DENTAL. INTEGRACIO'N CLI'NICA. 4ED. 3A REIMP. ED ME'DICA PANAMERICANA. BUENOS AIRESBIBLIOGRAFI'A COMPLEMENTARIA4. J.P. OKESON, OCLUSIO'N Y AFECCIONES TEMPOROMANDIBULARES, 4A ED., MADRID, M

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5. DONADO RODRI'GUEZ M. CIRUGI'A BUCAL: PATOLOGI'A Y TE'CNICA. 3A ED. BARCELONA:MASSON, 20056. PEN~ARROCHA M. ANESTESIA LOCAL EN ODONTOLOGI'A. MADRID: ARS ME'DICA; 2007 7. CARRANZA F, NEWMAN S. PERIODONCIA CLI'NICA (8A EDICIO'N. BARCELONA: EDITORIAL MCGRAW-HILL INTERAMERICANA,1997 PCA-