



Information about the subject

Degree: Bachelor of Science Degree in Dentistry

Faculty: Faculty of Medicine and Health Sciences

Code: 480402 **Name:** Oral Surgery I

Credits: 6,00 **ECTS Year:** 4 **Semester:** 1

Module: Module 4: Dental Pathology and Therapeutics

Subject Matter: DENTAL PATHOLOGY **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

Recommended knowledge

Previous knowledge of Anatomy and Anesthesia is recommended for this subject.



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 Searches for information in bibliographic sources and knows how to analyze them.
- R2 Makes an adequate clinical history.
- R3 Knows the different parts of the physical examination of the patients.
- R4 The student is capable of making a diagnostic judgement based on the data from the anamnesis and examination.
- R5 The student is capable of optimizing the use of diagnostic and therapeutic resources.
- R6 Knows the periodontal anatomical-histological relationships.
- R7 Knows the functional and biomechanical anatomy of the masticatory system, TMJ and jaw movement as well as the occlusion. Knows the anatomy and physiology of the stomatognathic system.
- R8 Applies the knowledge of the basic sciences of the subject to the diagnosis, prevention and treatment of the oral and maxillofacial pathology.
- R9 Demonstrates the knowledge of the instruments, material and drugs used in the different treatments of oral surgery.
- R10 Knows how to make clear and relevant medical records and conduct thorough clinical examinations to identify the patient who is amenable to implant treatment.
- R11 Knows the appropriate anesthesia techniques for each treatment.
- R12 Performs a correct asepsis of the personnel, instruments, surfaces and isolation of the operating field.
- R13 Formulates a therapeutic plan and a prognosis for the different pathologies.
- R14 Knows the instruments and materials commonly used in oral surgery.



- R15 The student is able to assemble the anesthesia syringe.
- R16 The student uses each instrument correctly.
- R17 Applies the knowledge acquired about local anesthesia.
- R18 Knows the proper way to make the incisions.
- R19 Knows the types of flaps most frequently used and their indications.
- R20 Designs the most appropriate flap according to the clinical case.
- R21 Knows the different types of sutures.
- R22 Knows the indications for performing osteotomies.
- R23 Performs odontosections of upper and lower molars.
- R24 Reviews the different stitches and master the technique.
- R25 Knows how to take a detailed clinical history of the patient, identifying his or her pathologies and drawing up the appropriate treatment plan.
- R26 Performs simple dental extractions.
- R27 Knows the adequate anesthesia techniques in each treatment.
- R28 Knows how to use and interpret the different diagnostic methods used in oral surgery.
- R29 Knows how to identify the different anatomical structures in radiology
- R30 Conducts a correct asepsis of the personnel, instruments, surfaces and isolation of the operating field.
- R31 The student is able to complete a complete clinical history and make a full clinical judgment.



- R32 The student is able to work in a team.
- R33 Knows the phases of dental surgical treatment, both scheduled and unscheduled.
- R34 The student is able to make a diagnosis of a patient who goes to a dental clinic.
- R35 Demonstrates ability to write a correct clinical history, in which the data is presented clearly and completely.
- R36 Shows concern for the investigation.
- R37 Demonstrates ability to recognize where the boundaries of the dental profession lie.



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 2iObtain and prepare a medical history containing all relevant information.				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 C 2Establish 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 2Recognize life-threatening situations and know how to perform basic life support maneuvers.				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
	40,00%	MULTIPLE CHOICE TEST: Multiple choice test with one correct answer. This shows to greater extent the contents acquired by the student.
	0,00%	PRESENTATION: The student develops by means of an oral presentation, supported with audio-visual materials, a theme or topic given by the teacher. At the end of the presentation, the teacher or audience may ask questions.
	0,00%	PRACTICAL: Written test in which the student is asked to solve practical exercises, clinical cases or problems about the contents of different subjects.
	15,00%	ASSIGNMENTS: The student, either individually or in a group, develops a theme which reviews or researches, and he/she presents it, in writing, for assessment by the teacher.
	5,00%	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.
	0,00%	SIMULATIONS, OSCES: Through simulations, real-life situations are reproduced in standardised conditions, which enable the teacher to analyse the clinical skills of the student in specific situations. Computer simulations or standardised simulated illnesses are used. The test known as OSCE (Objective Structured Clinical Examination) may also be used. The OSCE consists of students going around a circuit of sequential stops where they are asked to carry out a variety of different skills and techniques.



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

PRACTICAL ASSISTANCE:

Attendance to practices (7 clinical and 6 laboratory) is Mandatory.

YOU CAN ONLY MISS 1 PRACTICE IN A JUSTIFIED WAY

IF THE MAXIMUM NUMBER OF ABSENCES ALLOWED (2) ARE EXCEEDED, STUDENT WILL BE SUBMITTED DIRECTLY TO THE 2nd EXAMINATION CALL.

IF THE STUDENT HAS MORE THAN 3 ABSENCES, HE WILL HAVE TO DO THE SUBJECT AGAIN THE NEXT YEAR.

THE STUDENT HAS THE OBLIGATION TO COMPLY WITH THE REGULATIONS OF UCV CLINICS (BOTH IN LABORATORY AS IN CABINET),

- CLOTHING
- CARE OF FACILITIES,
- BEHAVIOR,

ITS NON-COMPLIANCE WILL RESULT IN A SANCTION/EXPULSION FROM THE PRACTICE, AND WILL COUNT AS A NON-ATTENDANCE.

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

SUBJECT EVALUATION: To pass the course, the student must meet the following minimum requirements:

Mandatory attendance at practices, the UNjustified absence of 2 practices will make it impossible for the student to take the exam on the first call.

Carry out bibliographic review work and pass with a grade higher than 5.

Pass the theoretical and practical exam (both exams independently, they must have a grade higher than 5).

The exam will be multiple choice with 5 answers for each question, where every incorrectly answered questions will subtract 0,33 . It will have a theoretical section and a practical one that must be passed independently with a grade higher than 5.

THE NOTE OF EACH PART IS NOT SAVED FOR THE SECOND CALL

Students must present the review work and the practice notebook to access the theoretical exam. If you do not present it, you will directly access the second call.

For the second call, only the note of the bibliographic review will be kept.

Students who fail the subject must complete it next year. The practice grade will NOT be saved.



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	R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R33	28,00	1,12
PRACTICAL CLINICAL SESSION M3, M11	R2, R4, R9, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R31, R32, R33, R34, R35	16,00	0,64
TUTORING M15	R11, R17, R23, R24, R25, R26, R27, R28, R29, R30	2,00	0,08
EVALUATION M4, M10	R2, R3, R4, R8, R9, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R33, R34	2,00	0,08
PRACTICAL CLASS M2, M6, M11, M12	R9, R14, R15, R16, R18, R19, R20, R21, R22, R23, R27	12,00	0,48
TOTAL		60,00	2,40



LEARNING ACTIVITIES OF AUTONOMOUS WORK

	LEARNING OUTCOMES	HOURS	ECTS
INDIVIDUAL WORK M1, M2, M3, M10	R1, R2, R3, R4, R5, R8, R9, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R27, R28, R29, R30, R33	80,00	3,20
GROUP WORK M4	R1, R8, R25, R32	10,00	0,40
TOTAL		90,00	3,60



Description of the contents

Description of the necessary contents to acquire the learning outcomes.

Theoretical contents:

Content block	Contents
1	INTRODUCTION: Topic 2 Instruments and surgical equipment Topic 3 The surgical act
2	Topic 4. Basic principles of exodontia Topic 5. Extraction of permanent teeth in normoposition Topic 6. Complex extractions Topic 7. Extraction of ectopic teeth. Multiple exodontias. Alveoloplasty. Extraction of temporary teeth Topic 8. Accidents and complications after tooth extraction
3	Topic 9. Teeth included and impacted Topic 10 and 11. Included lower wisdom molars I and II Topic 12. Included Upper wisdom molars Topic 13. Superior Canines Topic 14. Supernumerary teeth
4	Topic 15. BIOPSIES Topics 16 and 17. Periapical surgery and preprosthetic surgery Topic 18. Oral frenulums



Temporary organization of learning:

Block of content	Number of sessions	Hours
1	5,00	10,00
2	10,00	20,00
3	10,00	20,00
4	5,00	10,00

References

BIBLIOGRAFIA RECOMENDADA ACTUALIZADA:

- Donado. Cirugía bucal 5ª edición. 2019
- Misch. 4 edición. 2020
- TRATADO DE CIRUGIA BUCAL (T. 1). Cosme Gay.2003
- CIRUGIA BUCAL. Miguel Peñarrocha Diago. 2000
- ANESTESIA BUCAL 2ª ED Adel Alfonso Martínez Martínez. 2010
- Netter.Anatomía de cabeza y cuello para odontólogos 2017
- CIRUGIA BUCAL PARA PREGRADO Y EL ODONTOGO GENERAL. Fernando Sole Besoain. 2012