COURSE DATA

DATA SUBJECT

Code: 34715
Name: Oral surgery
Cycle: Undergraduate Studies
ECTS Credits: 12
Academic year: 2026-27

STUDY (S)

Degree	Center	Acad. year	Period
1206 - Degree in Dentistry	Facultat de Medicina i Odontologia	3	Annual

SUBJECT-MATTER

Degree	Subject-matter	Character
1206 - Degree in Dentistry	Oral surgery	COMPULSORY

COORDINATION

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SUMMARY

Oral surgery is a compulsory subject that belongs to the module of pathology and specifically dentistry therapy. In the Degree of Dentistry, it has been assigned 12 ECTS credits and has been given practical theoretical character with clinical practices.

It will be taught in the third year of the degree of Dentistry, having an important relation with the subjects of the previous course, specifically with the subjects of Pharmacology, Anesthesia and Reanimation and Surgical Pathology.

It is defined as "the subject that studies the indications of surgical therapeutics, medical-surgical materials, dentofacial radiological procedures and oral surgery techniques".

In this annual and compulsory core course, the Degree of Dentistry is intended to give the student of Dentistry a training and surgical knowledge of oral pathologies.

An internship will be carried out in the Interdisciplinary Simulation Center of Health Sciences of the

University of Valencia.

PREVIOUS KNOWLEDGE

RELATIONSHIP TO OTHER SUBJECTS OF THE SAME DEGREE

1206 - Degree in Dentistry

Obligation to have previously passed the subject(s)	34696 - Human anatomy 34697 - Biology 34698 - Human physiology 34699 - Biochemistry 34702 - Psychology and communication

OTHER REQUIREMENTS

As preliminary requirements, the students must have knowledge in pharmacology, anesthesia and resuscitation, and surgery.

COMPETENCES / LEARNING OUTCOMES

1206 - Degree in Dentistry

Adquirir experiencia clínica bajo la adecuada supervisión.

Comprender las ciencias biomédicas básicas en las que se fundamenta la Odontología para asegurar una correcta asistencia buco-dentaria.

Comprender los fundamentos de acción, indicaciones y eficacia de los fármacos y otras intervenciones terapéuticas, conociendo sus contraindicaciones, interacciones, efectos sistémicos e interacciones sobre otros órganos, basándose en la evidencia científica disponible.

Comprender y reconocer la estructura y función normal del aparato estomatognático, a nivel molecular, celular, tisular y orgánico, en las distintas etapas de la vida.

Comprender y reconocer las ciencias de los biomateriales esenciales para la práctica odontológica así como el manejo inmediato de las posibles alergias a los mismos.

Comprender y reconocer los principios de ergonomía y seguridad en el trabajo (incluyendo control de infecciones cruzadas, protección radiológica y enfermedades ocupacionales y biológicas).

Conocer, valorar críticamente y saber utilizar las fuentes de información clínica y biomédica para obtener, organizar, interpretar y comunicar la información científica y sanitaria.

Conocer del método científico y tener capacidad crítica para valorar los conocimientos establecidos y la información novedosa. Ser capaz de formular hipótesis, recolectar y valorar de forma crítica la información para la resolución de problemas, siguiendo el método científico.

Conocer de los procesos generales de la enfermedad, entre los que se incluyen la infección, la inflamación, las alteraciones del sistema inmune, la degeneración, la neoplasia, las alteraciones metabólicas y los desórdenes genéticos.

Conocer la farmacología general y clínica en la práctica odontológica.

Conocer las bases farmacológicas de las distintas técnicas anestésicas tanto locales como generales, así como el papel de la sedación y la anestesia general en el manejo del paciente odontológico.

Conocer y aplicar el tratamiento básico de la patología bucodentaria más habitual en pacientes de todas las edades. Los procedimientos terapéuticos deberán basarse en el concepto de invasión mínima y en un enfoque global e integrado del tratamiento bucodental.

Establecer el diagnóstico, pronóstico y una adecuada planificación terapéutica en todas las áreas clínicas de la Odontología, siendo competente en el diagnóstico, pronóstico y elaboración del plan de tratamiento odontológico del paciente que requiera cuidados especiales, incluidos los pacientes médicamente comprometidos (como diabéticos, hipertensos, inmunodeprimidos, anticoagulados, entre otros) y pacientes con discapacidad.

Estar familiarizado con las características patológicas generales de las enfermedades y trastornos que afectan a los sistemas orgánicos, específicamente aquellas que tienen repercusión bucal.

Obtain and elaborate a clinical history withrelevant information.

Plan and propose appropriate preventive measures for each clinical situation.

Reconocer las situaciones de riesgo vital y saber hacer maniobras de soporte vital básico.

Saber planificar y realizar tratamientos odontológicos multidisciplinares, secuenciales e integrados de complejidad limitada en pacientes de todas las edades y condiciones y de los pacientes que requieran cuidados especiales.

Saber realizar un examen bucal completo, incluyendo las oportunas pruebas radiográficas y de exploración complementarias, así como la obtención de adecuadas referencias clínicas

Tener capacidad para elaborar un juicio diagnóstico inicial y establecer una estrategia diagnóstica razonada, siendo competente en el reconocimiento de las situaciones que requieran una atención odontológica urgente.

DESCRIPTION OF CONTENTS

1. THEORICAL CONTENTS

UNIT I. Introduction to oral surgery
UNIT II. Anesthesia in oral surgery
UNIT III. Extractions
UNIT IV. Dental inclusions
UNIT V. Periapical surgery
UNIT VI. Odontogenic infection
UNIT VII. Surgical treatment of cysts and tumors.

UNIT VIII. Introduction to Oral Implantology
UNIT IX. Implant surgery

Each didactic unit is grouped by related contents, theoretical lessons and practices.

2. PRACTICES

In the practical classroom activities, the student acquires surgical skills and practices what has been explained in the theoretical classes. The practicals are coupled to the theoretical teaching throughout the course. The practicals will be distributed into classroom practicals (first semester), laboratory practicals (second semester), simulator practicals, the interdisciplinary clinical case and clinical practicals with patients (throughout the course).

CLASSROOM PRACTICES
PRACTICE 1. INSTRUMENTS
PRACTICE 2. ANESTHESIA. ANESTHETIC TECHNIQUES. MANDIBULAR ANESTHETIC TECHNIQUE.
PRACTICE 3. ANESTHESIA. MATERIALS AND ANATOMY. UPPER MAXILLARY ANESTHETIC TECHNIQUE.
PRACTICE 4. SIMPLE EXTRACTION.
PRACTICE 5. SPONGE SUTURE.
PRACTICE 6. INCISIONS AND SUTURES OF THE PIG'S HEAD. BIOPSY.

LABORATORY PRACTICES
PRACTICE 1. COMPLEX EXTRACTIONS. EXTRACTION OF IMPACTED UPPER THIRD MOLARS.
PRACTICE 2. EXTRACTION OF IMPACTED LOWER THIRD MOLARS.

PRACTICE 3. IMPACTED CANINES. TORUS REMODELING.
PRACTICE 4. PERIAPICAL SURGERY. ABSCESS DRAINAGE.
PRACTICE 5. IMPLANT SURGERY

PRACTICING WITH VIRTUAL REALITY SIMULATORS
PRACTICE 1: ORAL ANESTHESIA
PRACTICE 2: ORAL IMPLANTOLOGY

WORKLOAD

PRESENCIAL ACTIVITIES

Activity	Hours

Theory	52,00
Odontology practices	63,00
Laboratory	40,00
Classroom practices	25,00
Total hours	**180,00**

NON PRESENCIAL ACTIVITIES

Activity	**Hours**
Attendance at other activities	7,00
Individual or group project	24,00
Independent study and work	75,00
Preparation of lessons	3,00
Preparation for assessment activities	8,00
Resolution of case studies	3,00
Total hours	**120,00**

TEACHING METHODOLOGY

TEACHING METHODOLOGY

The theoretical face-to-face teaching modalities are taught in lessons that are the exposition for a certain time of a part of the subject. The theoretical classes will focus on providing the student with the most information on where to obtain the necessary data to address the treatment plans for the pathologies that are going to be taught throughout the course. In them, clinical cases will be presented so that the student can understand these situations.

In the practical face-to-face activities, the student acquires surgical skills and practices what has been explained in the theoretical classes. The practices are coupled with theoretical teaching throughout the course. The practices will be distributed in classroom practices (first semester), laboratory practices (second semester), practices with simulators, the interdisciplinary clinical case and clinical practices with patients (throughout the entire course).

In classroom practices, the student has the surgical instruments to study, anesthesia practices, incision and suturing techniques are performed on sponges and jaws of animals, as well as extractions on removable models.

The practices in the laboratory will allow the student to acquire dexterity and surgical skills by working on models hat simulate real clinical situations and can be placed in removable heads.

In practices with simulators students will intervene virtually clinical cases of anesthesia and implants at the Interdisciplinary Center for Health Simulation (CESIS-UV).

In the interdisciplinary clinical case, students will carry out the practice together with students from the Pharmacy and Nutrition Degree at the Interdisciplinary Center for Health Simulation (CESIS-UV).

In clinical practice, students will be able to work on patients after passing preclinical examinations. Students will assist instructors in complex surgeries and will also perform locoregional anesthesia procedures and simple tooth extractions. These practices allow students to see the instructor perform the procedure and observe the patient during a period called preclinical practice. Once certain skills are achieved, the student can imitate the procedure or technique, supervised by the instructor.

During the Clinical Case Study Session, students can develop their diagnostic and treatment planning skills by writing clinical histories of cases provided by the instructor based on images of real patients.

The gender perspective, the respect for diversity, and the sustainable development goals (SDGs) will be incorporated into teaching, whenever possible.

EVALUATION

Assessment of student learning will be based on the following elements:

a) PRACTICAL PRECLINICAL PRACTICAL EXAMS. There will be 2 pre-clinical exams during the first semester on Thursday mornings in the general clinic on the first floor. The first pre-clinical exam will assess knowledge of: 1) recognition and use of surgical instruments, 2) anaesthetic material and procedure. After passing this examination the students will start anaesthetising in clinical practice with patients. The second pre-clinical examination will test the knowledge of: 3) simple exodontics, 4) suturing. After passing this examination, the students will perform the full range of simple exodontic procedures in clinical practice. Students who do not pass these tests will be retaken in the next clinical practice before the arrival of the patients and the first assessment will be taken into account for the final grade.The value of these pre-clinical exams is 10% of the final grade of the course.

b) THEORETICAL EXAMINATION. Theoretical examination in January, with 10 short questions of limited length on the content of thematic units I-III. If the student passes this exam with a mark of 5 out of 10 or more, he/she will not be examined on the content of these thematic units in the final exam of the 1st session. If the student does not pass the partial exam, he/she will have to sit the final exam of the 1st call with all the theoretical content of the subject. The final exam of units I-III will consist of 5 short questions of limited length. It will represent 35% of the evaluation of the subject.

c) FINAL THEORETICAL EXAM 1ª CONVOCATORIA. A theoretical exam in May-June, with 10 short questions of limited length, on the content of the thematic units IV-IX. It will account for 35% of the evaluation of the course.

d) CLINICAL CASE FOR THE CASE CONFERENCE. The presentation of a clinical case will be valued with 5% of the final mark.

e) PRACTICAL EXAMINATION OF CLINICAL CASES. On the same day as the final theory exam, there will be a practical examination of clinical cases with 5 short questions of limited length based on clinical cases or practical procedures illustrated with photographs or complementary explorations. It will represent 20% of the evaluation of the subject.

FINAL SCORE

10% Pre-clinical practical examinations

35% Theoretical examination units I-III

35% Theoretical examination units IV-IX

5% Clinical case of the case day

15% Practical examination of clinical cases

In order to pass the course, all the theoretical and practical exams must be passed independently. In order to be able to take this subject, students must have successfully completed all of their practicals.

Attendance at practical activities is mandatory. The student is considered to meet this requirement if he or she has attended a minimum of 80% of these activities and has adequately justified the impossibility of attending the remaining sessions due to the occurrence of a cause of force majeure. It will be essential to comply with this requirement to pass the subject.

Students are reminded of the importance of carrying out evaluation surveys on all the teaching staff of the degree subjects.

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