

29325 - Oral Surgery I

Syllabus Information

Academic Year: 2020/21

Subject: 29325 - Oral Surgery I

Faculty / School: 229 - Facultad de Ciencias de la Salud y del Deporte

Degree: 442 - Degree in Odontology

ECTS: 6.0

Year: 3

Semester: First semester

Subject Type: Compulsory

Module: ---

1.General information

1.1.Aims of the course

1.2.Context and importance of this course in the degree

1.3.Recommendations to take this course

2.Learning goals

2.1.Competences

2.2.Learning goals

2.3.Importance of learning goals

3.Assessment (1st and 2nd call)

3.1.Assessment tasks (description of tasks, marking system and assessment criteria)

4.Methodology, learning tasks, syllabus and resources

4.1.Methodological overview

The methodology followed in this course is oriented towards the achievement of the learning objectives. A wide range of teaching and learning tasks are implemented, such as lectures, seminars, pre-clinical practice sessions.

Given the exceptional situation of the 2020-2021 academic year, the way of carrying out the different learning tasks depends on the availability of physical spaces in the Center. So, the online format will be used, that is to say, in a synchronic telematic system, by which teachers and students will be connected through technologies that allow interaction, such as Google Meet for theoretical and practical classes with the whole group. To ensure that all students have the possibility of teaching online, the sessions will be recorded and made available to students in Moodle through links to Google Drive. Other activities will be held in the classroom and / or laboratory assigned by the Center.

4.2.Learning tasks

This course is organized as follows:

- LECTURES
- SEMINARS
- PRE-CLINICAL PRACTICES

Throughout the academic year, all activities conducted will be of three types, intending to achieve the aforementioned learning outcomes.

1. 1. A first group of activities is to work with materials and processes of symbolic nature. In them, the students hear, read, write, collect, analyze, argue and discuss different topics in oral surgery.

In this type of activity, the students work in different ways and build information mindsets which will then be the basis for interpreting the surgical pathology of the patients and develop treatment plans. It includes understanding and memorization of concepts considered essential for the course. Also, students will be stimulated in search of information and screening to understand surgical problem presentations.

As instruments for this purpose we will use:

- Lectures.
- Seminars whereby teachers and students will present and discuss different devices, technological concepts or surgical techniques.
- Study of the recommended texts (by the students).
- Paper works written by students, individually and in groups, on different topics which will require the analysis and understanding of this topic.

1. 2. Activities in contextualized situations.

To develop these activities the students observe, analyze and diagnose different clinical cases prepared by the teacher in a pre-clinical condition (e.g. presentation and discussion of X-rays and photographs of patients).

Students learn by observation and analysis of real situations identifying key aspects or variables and making critical judgments.

As instruments to so we will use:

- Seminars (clinical cases presentations). The students will analyze the diagnosis, differential diagnosis, and treatment options.
- Practical sessions in real pre-clinical dental chair including student and patient simulation in surgical techniques
- Courses in oral surgery outside of the faculty.
- Video projections sessions about different surgical techniques. The videos will follow an analysis and discussion in groups.

1. 3. Activities involving real or almost real situations.

In them, the students will perform basic surgical techniques.

As instruments for this purpose we will use:

- Preclinical practice sessions using small animal models. Students will work with actual equipment and instruments.
- Preclinical practice sessions with plastic anatomical models.

4.3.Syllabus

This course will address the following topics:

Clinically and radiographically recognize the different oral pathologies in relation to surgery.

Recognize the consequences of errors in the taking of X-rays and their correction.

- The assistance of the student to the teacher's explanation during the **lectures**
 - **Topics**
- **Study** of the topics by the student.
- Participation in the **seminars** of:
 - Clinical history and exploration
 - Intraoral radiology technique with positioners
 - Interpretation of radiographs.
 - Recognition of radiographic errors and their correction
- **Elaboration of group work: "practical radiology guide"**

List the stages of the surgical act and the factors that condition it.

- The assistance of the student to the teacher's explanation during the **lectures**
 - **Topics**
- **Study** of the topics by the student.
- Participation in the **seminar** of:
 - Surgical instruments.

To correctly enumerate the variables that must be known to achieve loco-regional anesthesia that allows treating any intraoral pathology.

- Attendance of the student to the teacher's explanation during the **lectures**:
 - **Topics**
- **Study of the topics** by the student.
- **Pre-clinical practice in the dental chair** with a student as a patient: simulation of positions for loco-regional anesthesia.
- Assistance and comments to a **video projection** of the anesthetic technique.
- Individual preparation of the "**anesthesia practical guide**".

Practice correctly incisions and basic sutures in animal models.

- Attendance of the student to the teacher's explanation during the **lectures**:
 - **Topics**
- **Study of the topics** by the student.
- **Pre-clinical practices in the practice room**:
 - Suture techniques on chicken thigh (I).
 - Suture techniques in lamb head.
- Individual elaboration of the "**practical guide of incisions and sutures**".

Practice extractions of different degrees of complexity and apicectomies in plastic models.

- The assistance of the student to the teacher's explanation during the **lectures**
 - **Topics**
- **Study** of the topics by the student.
- **Pre-clinical practices in the practice room** with plastic models:
 - Simple Extraction Techniques
 - Complex extraction techniques.
 - Exodontia techniques of included teeth.
- Individual elaboration of the "practical guide of extractions".

Identify the consequences of dentoalveolar trauma and reason the choice of appropriate treatment.

- Attendance of the student to the teacher's explanation during the **lecture**:
 - **Topic.**
- **Study** of the topic by the student.
- Individual preparation of the **notebook "action guide to alveolar-dental trauma"**

To reason the choice of different diagnostic techniques and treatment plans, in the presence of various underlying pathologies, at the level of the contents treated in class.

- Attendance of the student to the teacher's explanation during the **lectures**:
 - **Topics**
- **Study** of the topics by the student.
- **Pre-clinical practices in the practice room**
 - Apicectomy techniques in plastic model.
- Individual preparation of the "**practical apicoectomy guide**"
- Individual preparation of the "**guide to action against odontogenic infections**".

4.4.Course planning and calendar

Further information concerning the timetable, classroom, office hours, assessment dates (<https://fccsyd.unizar.es/academico/horarios-y-calendarios>) and other details regarding this course will be provided on the first day of class or please refer to the Faculty of Health and Sports Sciences website and Moodle.

Degree website: <https://fccsyd.unizar.es/odontologia/grado-odontologia>

4.5.Bibliography and recommended resources

- Donado Rodríguez, Manuel.. Cirugía bucal : Patología y Técnica / Manuel Donado Rodríguez ; con la colaboración de S. Blanco Samper... [et al.] . 3ª Ed. Barcelona [etc.] : Masson, 2005.
- Gay Escoda, Cosme.. Tratado de cirugía bucal / Cosme Gay Escoda, Leonardo Berini Aytés . reimp. Madrid : Ergon, 2011.

- Medeiros, Paulo José. Cirugía de dientes incluidos : extracción del tercer molar / Paulo José Medeiros. . Caracas [etc.] : Amolca, 2006.
- Wood, Norman K.. Diagnóstico diferencial de las lesiones orales y maxilofaciales / Norman K. Wood, Paul W. Goaz ; Revisión científica, Antonio Bascones. . 5a ed. Madrid[etc.] : Harcourt Brace, D.L.1998.
- Raspall, Guillermo. Cirugía oral e implantología / Guillermo Raspall ; con ilustraciones de Humberto Díaz Santana . 2ª ed. Buenos Aires [[etc.]d Médica Panamericana 2007
- Chiapasco, Matteo.. Procedimientos de cirugía oral respetando la anatomía / Matteo Chiapasco. . Torino : Amolca, 2009.
- Chiapasco, Matteo. Tácticas y técnicas en cirugía oral / Matteo Chiapasco ; con la colaboración de S. Accardi ... [et.] . 2a ed. Caracas, [etc.] : Amolca, 2010
- White, Stuart C.. Radiología oral : principios e interpretación / Stuart C. White, Michael J. Pharoah ; revisión científica Antonio Bascones. . 4 ed. Madrid [etc.] : Elsevier Science cop. 2002.
- Oral surgery / Fragiskos D. Fragiskos. . 1st. ed. New York : Springer, 2007.
- Cirugía oral y maxilofacial contemporánea / edited by James R. Hupp, Edward Elli III, and Myron R. Tucker. . Ed. en español de la 5 ed. de la obra original en inglés. Madrid: Elsevier, D.L. 2009.
- Navarro Vila, Carlos. Cirugía Oral. Madrid : ARAN EDICIONES, S.A., 2008
- Peñarrocya Diago, Miguel. Cirugía bucal Valencia: PROMOLIBRO, 2000
- Chiapasco, Matteo. Cirugía oral: texto y atlas en color Barcelona: Masson, 2004
- Karl R. Koerner. Manual of Minor Oral Surgery for the General Dentist. Iowa: Blackwell Munksgaard, 2006
- Daniel M. Laskin. Cirugía bucal y maxilofacial. Buenos Aires: Médica Panamericana, 1987
- McGowan, David A.. An Atlas of Minor Oral Surgery London: Martin Dunitz, 1999
- Michael Miloro; Larry J Peterson. Peterson's Principles of Oral and Maxillofacial Surgery. 2º edición London: BC Decker, 2004
- Montilla Olaf Sandner. Tratado de Cirugía Oral y Maxilofacial [Bogota: Amolca, 2007]
- Wray, David et al. Textbook of General and Oral Surgery . Philadelphia: Elsevier, 2003